

# JVC

## SERVICE MANUAL

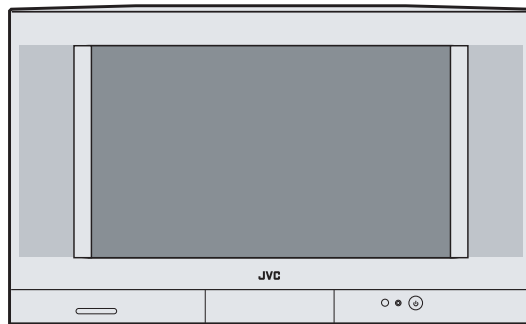
### COLOUR TELEVISION

**AV-28R4SK, AV-28T4BK, AV-28T4SK,  
AV-28T4SP, AV-28T4BR, AV-28T4SR,  
AV-28T77SK, AV-32R4SK, AV-32T4SK,  
AV-32T4SP, AV-32T4SR, AV-32T77SK**

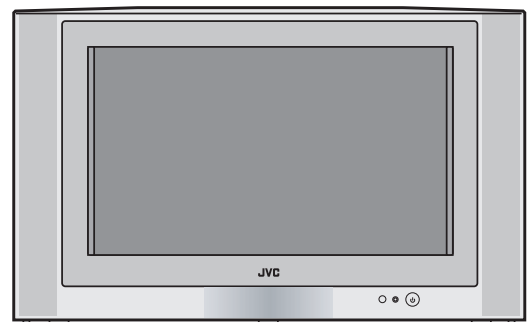
BASIC CHASSIS

JW

InterArt  
*Natural Vision*  
**T-V LINK**



AV-28R4SK, AV-28T4BK, AV-28T4SK,  
AV-28T4SP, AV-28T4BR, AV-28T4SR,  
AV-32R4SK, AV-32T4SK, AV-32T4SP,  
AV-32T4SR



AV-28T77SK  
AV-32T77SK

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# SPECIFICATION

Items		Contents	
		AV-28R4SK	AV-28T4SK AV-28T4BK AV-28T4SR AV-28T4BR AV-28T77SK
Dimensions ( W × H × D )		85.4cm × 50.8cm × 49.7cm	85.4cm × 50.7cm × 49.7cm 85.4cm × 50.7cm × 48.9cm [AV-28T77SK]
Mass		42.0kg	42.0kg 39.0kg [AV-28T77SK]
TV RF System		CCIR ( I )	CCIR (B/G, I, L)
Colour System		PAL NTSC3.58 / NTSC4.43 (Only EXT mode)	PAL SECAM NTSC3.58 / NTSC4.43 (Only EXT mode)
Stereo System		NICAM ( I )	A2 (B/G) NICAM (B/G, I, L)
Receiving Frequency	VHF	---	47MHz - 470MHz
	UHF	470MHz - 862MHz	
	French CATV	---	116MHz - 172MHz 220MHz - 469MHz
Intermediate Frequency	VIF	38.9MHz ( I )	38.9MHz (B/G, I, L) 33.9MHz (L')
	SIF	32.9MHz (6.0MHz :I)	33.4MHz (5.5MHz :B/G) 32.9MHz ( 6.0MHz:I ) 32.4MHz (6.5MHz :L)
Colour Sub Carrier Frequency	PAL	4.43MHz	
	SECAM	---	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz	
Teletext System		FLOF (Fastext level 2.5) WST(Standard system)	TOP (German system) FLOF (Fastext level 2.5 720P) WST (Standard system)
Power Input		AC 220V~AC240V, 50Hz	
Power Consumption		125W(Max) / 115W(Avg) Standby : 2.7W	120W(Max) / 110W(Avg) Standby : 2.7W
Picture Tube		Visible size : 66cm [measured diagonally] (H : 58.3cm × V : 33.0cm)	
High Voltage		31.0kV (+1kV / -1.5kV) (at zero beam current)	
Speaker		MAIN : 6.5cm × 13cm oval type × 2 CENTER : 4cm × 16cm oval type × 2 SUB WOOFER : 13cm round type × 1	6.5cm × 13cm oval type × 2
Audio Power Output		MAIN : 10W + 10W CENTER : 10W SUB WOOFER : 18W	10W + 10W
Aerial Input Terminal		75 Ω unbalanced, coaxial	
EXT-1 / EXT-2 / EXT-3 (Input / Output)		21-pin Euro connector (SCART socket × 3)	
EXT-4	S-Video	Mini-DIN 4-pin × 1 Y : 1V(p-p) positive, negative sync 75Ω C : 0.286V(p-p) (burst signal) 75Ω	---
	Video	1V(p-p) positive, negative sync provided, 75Ω, RCA pin jack × 1	
	Audio	500mV(rms) (-4dBs), high impedance, RCA pin jack × 2	
Audio Out (variable)		0 - 1000V(rms), low impedance, RCA pin jack × 2	
Surround Rear Terminal		7.5W + 7.5W, 8 Ω	---
Headphone Jack		Stereo mini jack, Ø3.5mm × 1	
Remote Control Unit		RM-C1502-1C (AA/R6 dry cell battery × 2)	RM-C1502-1C (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

## [AV-28R4SK]


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Items		Contents		
		AV-32R4SK	AV-32T4SK AV-32T4SR AV-32T77SK	AV-32T4SP
Dimensions ( W × H × D )		94.8cm × 56.2cm × 55.4cm	94.8cm × 56.2cm × 55.4cm 94.6cm × 56.2cm × 54.7cm [AV-32T77SK]	94.8cm × 56.2cm × 55.0cm
Mass		56.0kg	56.0kg 53.0kg [AV-32T77SK]	53.0kg
TV RF System		CCIR ( I )		CCIR (B/G, I, L)
Colour System		PAL NTSC3.58 / NTSC4.43 (Only EXT mode)		PAL SECAM NTSC3.58/NTSC4.43 (Only EXT mode)
Stereo System		NICAM ( I )		A2 (B/G) NICAM (B/G, I, L)
Receiving Frequency	VHF	---		47MHz - 470MHz
	UHF	470MHz - 862MHz		
	French CATV	---		116MHz - 172MHz 220MHz - 469MHz
Intermediate Frequency	VIF	38.9MHz ( I )		38.9MHz (B/G, I, L) 33.9MHz (L')
	SIF	32.9MHz (6.0MHz :I)		33.4MHz (5.5MHz :B/G) 32.9MHz ( 6.0MHz:I ) 32.4MHz (6.5MHz :L)
Colour Sub Carrier Frequency	PAL	4.43MHz		4.40625MHz / 4.25MHz
	SECAM	---		
	NTSC	3.58MHz / 4.43MHz		
Teletext System		FLOF (Fastext level 2.5) WST(Standard system)		TOP (German system) FLOF (Fastext level 2.5 720P) WST (Standard system)
Power Input		AC 220V~AC240V, 50Hz		
Power Consumption		125W(Max) / 115W(Avg) Standby : 2.7W	120W(Max) / 110W(Avg) Standby : 2.7W	
Picture Tube		Visible size : 76cm [measured diagonally] (H : 67.4cm × V : 38.4cm)		
High Voltage		31.0kV (+1kV / -1.5kV) (at zero beam current)		
Speaker		MAIN : 6.5cm × 13cm oval type × 2 CENTER : 4cm × 16cm oval type × 2 SUB WOOFER : 13cm round type × 1	6.5cm × 13cm oval type × 2	
Audio Power Output		MAIN : 10W + 10W CENTER : 10W SUB WOOFER : 18W	10W + 10W	
Aerial Input Terminal		75 Ω unbalanced, coaxial		
EXT-1 / EXT-2 / EXT-3 (Input / Output)		21-pin Euro connector (SCART socket × 3)		
EXT-4	S-Video	Mini-DIN 4-pin × 1 Y : 1V(p-p) positive, negative sync 75Ω C : 0.286V(p-p) (burst signal) 75Ω	---	
	Video	1V(p-p) positive, negative sync provided, 75Ω, RCA pin jack × 1		
	Audio	500mV(rms) (-4dBs), high impedance, RCA pin jack × 2		
Audio Out (variable)		0 - 1000V(rms), low impedance, RCA pin jack × 2		
Surround Rear Terminal		7.5W + 7.5W, 8 Ω	---	
Headphone Jack		Stereo mini jack (Ø3.5mm × 1)		
Remote Control Unit		RM-C1502-1C (AA/R6 dry cell battery × 2)		

Design & specifications are subject to change without notice.

#### [AV-32R4SK]

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# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k $\Omega$  2W resistor to the anode button.

- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

#### (9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

##### a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. ( . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

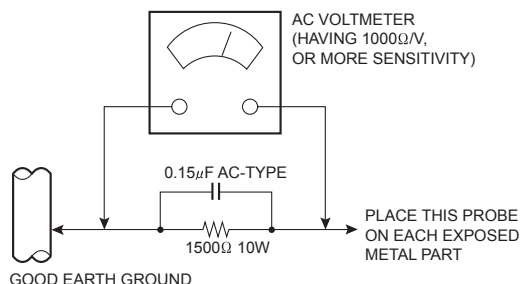
##### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### Alternate Check Method


Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$ /V or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).





## 1.2 SAFETY PRECAUTIONS [FOR UK]

- (1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (  ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

### WARNING

- (1) The equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.



## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

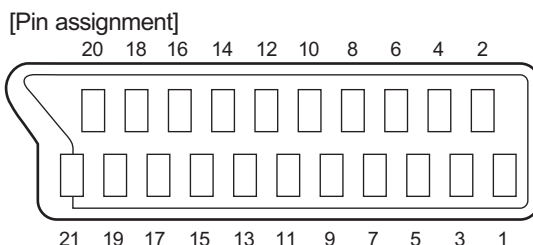
#### 2.1 FEATURES

- New chassis design enable use of an interactive on screen control.
- The TELETEXT SYSTEM has a built-in FASTEXT (UK system), TOP (German system) and WST (world standard system) system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism. In addition, BILINGUAL programs can be heard in their original language.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output.

#### 2.2 21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3

Pin No.	Signal designation	Matching value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)	Used (R3)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
4	AUDIO GND		Used	Used	Used
5	GND (B)		Used	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)	Used (L3)
7	B input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used	Used
9	GND (G)		Used	Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)	Not used
11	G input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used	Not used
12	SDA		Not used	Used (SDA2)	Not used
13	GND (R)		Used	Used	Used
14	GND (YS)		Used	Not used	Not used
15	R / C input	R : 700mV <sub>(B-W)</sub> , 75Ω C : 300mV <sub>(P-P)</sub> , 75Ω	Used (R)	Used (C2/R)	Used (C3)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used	Not used
17	GND (VIDEO output)		Used	Used	Used
18	GND (VIDEO input)		Used	Used	Used
19	VIDEO output	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)	Not used
20	VIDEO / Y input	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used	Used	Used
21	COMMON GND		Used	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)



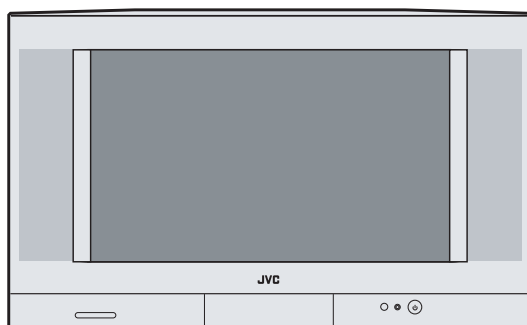


## 2.3 MAIN DIFFERENCE LIST

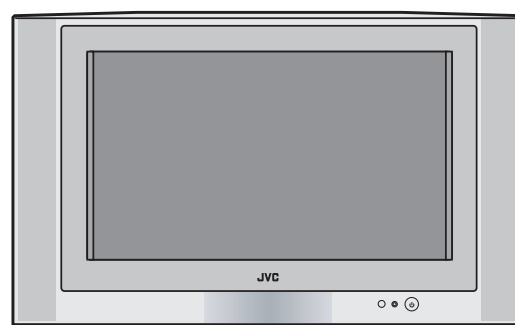
Item	AV-28R4SK	AV-28T4SK	AV-28T4BK	AV-28T4SR	AV-28T4BR	AV-28T77SK	AV-28T4SP
CABINET TYPE	A	←	←	←	←	B	A
CABINET COLOUR	Silver	←	Black	Silver	Black	Silver	Silver
DESTINATION	England	England	England	Ireland	Ireland	England	Germany Belgium France Switzerland Austria Italy Spain Portugal Sweden Denmark Finland Norway Greece
DOLBY SORROUND	YES	NO	←	←	←	←	←
SUB WOOFER	YES	NO	←	←	←	←	←
POWER PLUG	UK type(3pin)	←	←	←	←	←	EU type(2pin)
S VIDEO INPUT	YES	←	←	←	←	←	NO

Item	AV-32R4SK	AV-32T4SK	AV-32T4SR	AV-32T77SK	AV-32T4SP
CABINET TYPE	A	←	←	B	A
DESTINATION	England	England	Ireland	England	Germany Belgium France Switzerland Austria Italy Spain Portugal Sweden Denmark Finland Norway Greece
DOLBY SORROUND	YES	NO	←	←	←
SUB WOOFER	YES	NO	←	←	←
POWER PLUG	UK type(3pin)	←	←	←	EU type(2pin)
S VIDEO INPUT	YES	←	←	←	NO

### CABINET TYPE



A type



B type



## 2.4 TECHNICAL INFORMATION

### 2.4.1 MAIN MI-COM (CPU) PIN FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	VssP2	--	GND	65	SVM	O	SVM output
2	VssC4	--	GND	66	FbiSo	I/O	Flyback input/SC output
3	V1.8C4	--	1.8VD	67	Hout	O	H output
4	V3.3A3	--	3.3V	68	VssComb	--	GND for comb filter
5	VrefP_Sdac	--	3.3V	69	V5Comb	--	5V for comb filter
6	VrefN_Sdac	--	0V	70	Vin/R2/Pr	I	V-input for YUV
7	VrefP_Sdac	--	3.3V	71	Uin/B2/Pb	I	U-input for YUV
8	VrefN_Sdac	--	0V	72	Yin/G2/Y	I	Y-input for YUV
9	VrefP_Sdac	--	3.3V	73	Ysync	I	Y-input for SyncSep
10	Xtalin	I	XTALIN	74	Yout	O	Y-out
11	XtalOut	O	XTALOUT	75	Uout/INSSW2	I/O	U-out (2nd RGB/YPbPr insertion input)
12	VssA1	--	GND	76	Vout/Swo1	O	NC
13	Vguard/Swo	I/O	VGUARD or I/O switch	77	INSSW3	I	3rd RGB/YPbPr insertion
14	DecDig	--	Decoupling Digital Supply	78	R3/Pr	I	3rd R in/Pr in
15	V5P1	--	1st Supply 5V	79	G3/Y	I	3rd G in/Y in
16	Phi2	--	Phase-2 filter	80	B3/Pb	I	3rd B in/Pb in
17	Phi1	--	Phase-1 filter	81	Gnd3	--	GND3
18	Gnd1	--	GND1	82	V5P3	--	3rd supply
19	SecPll	--	SECAM PLL Decoupling	83	BCL	I	BCL input
20	Dec8G	--	Bandgap decoupling	84	BLKIN	I	Black current input
21	Ewd/Avl	O	E/W Drive or AVL cap.	85	Rout	O	Red output
22	Vdb	O	V. Drive B output	86	Gout	O	Green output
23	Vda	O	V. Drive A output	87	Bout	O	Blue output
24	Vif1	I	IF input 1	88	V3.3A1	--	3.3V analog
25	Vif2	I	IF input 2	89	RefAdN	--	Negative ref. voltage
26	Vsc	--	Vertical sawtooth cap.	90	V3.3RefAdP	--	Positive ref. voltage
27	Iref	I	Ref. current input	91	RefAd	--	Reference voltage for ADC
28	GndIF	--	GND IF	92	GndA	--	GND
29	Sif1	I	SIF input 1 / DVB input 1	93	V1.8A	I	Supply for ADC
30	Sif2	I	SIF input 2 / DVB input 2	94	V3.3A2	I	Supply for SDAC
31	Agc	O	Tu AGC output	95	VssADC	--	GND for Temp. sensor
32	EHT	I	EHT/overvoltage protect	96	V1.8ADC	--	Supply video ADC
33	Ssif/RefIn/Avl/RefOut	O	L/OTHER	97	IntO	I	REMOCON
34	AudioIn5L	I	Audio 5 input (Left)	98	P10/Int1	I	AV_LINK IN
35	AudioIn5R	I	Audio 5 input (Right)	99	P11/TO	O	AV_LINK OUT
36	AudOutSL	O	Audio output (Left)	100	V1.8C2	--	digital 1.8V
37	AudOutSR	O	Audio output (Right)	101	VssC2	--	GND
38	DecsDem	--	decoupling sound demod.	102	P04/I2SWs	I/O	(I2S_WS)
39	QssO/AmO/AudeEm	O	QSSO/AMout/deemphasis	103	P03/I2SClk	I/O	(I2S_CLK)
40	Gnd2	--	GND2	104	P02/I2SDo2	O	L/R_OTH (I2S_Dout2)
41	Pllf	--	IF PLL loop filter	105	P01/I2SDo1	O	D/A_RST (I2S_Dout1)
42	SifAgc	--	AGC SIF / int-extAGCforDVB	106	P00/I2SDI1	I	H/P DET
43	IfVo/FmRo/DvbO	O	DVBout/IFvideo/FMout	107	P13/T1	O	POWER
44	FmRo/DvbO	O	DVBout/FMout	108	SCL1	I/O	SCL1
45	V8AudioSwitches	--	8V for Audio SW.	109	SDA1	I/O	SDA1
46	AgcSsif	--	AGC cap.2nd SIF	110	V3.3P	--	3.3V
47	V5P2	--	2nd supply 5V	111	P20/TPwm	O	ROTATION (or N/S CANCEL)
48	SVO/IfVo/Cvbsl	I/O	IF vout/seiCVBSO/CVBSin	112	P21/Pwm0	O	(N/S_CEN/OTH)
49	Audio4InL	I	Audio 4 input (Left)	113	P22/Pwm1	O	A_MUTE
50	Audio4InR	I	Audio 4 input (Right)	114	P23/Pwm2	O	AMP_MUTE
51	Y4/Cvbs4	I	CVBS4/Y4 input	115	P30/Adc0	I	PROTECT
52	C4	I	Chroma-4 input	116	P31/Adc1	O	LED
53	Audio2InL	I	Audio 2 input (Left)	117	V1.8C1	--	1.8V digital
54	Audio2InR	I	Audio 2 input (Right)	118	DecV1V8	--	Decoupling 1.8V
55	Cvbs2/Y	I	CVBS2/Y2 input	119	P32/Adc2	I	KEY input
56	Audio3InL	I	Audio 3 input (Left)	120	P33/Adc3	I	AGC input (ECO)
57	Audio3InR	I	Audio 3 input (Right)	121	VssC1+P1	I	Digital GND m controller
58	Y3/Cvbs	I	CVBS3/Y3 input	122	P24/PWM3	O	NC(SAW_SW)
59	C3	I	Chroma-2/3 input	123	P25/PWM4	O	RES_OUT
60	AudOutLsL	I	Audio output for AMP	124	V1.8C3	--	1.8V digital
61	AudOutLsR	I	Audio output for AMP	125	VssC3	--	GND
62	AudOutHpL	I	HP L Audio output	126	P12/Int2	I	POW_DET
63	AudOutHpR	I	HP-R Audio output	127	P14/RX	I/O	SDA0
64	CVBSO/PIP	I/O	CVBS/PIP output	128	P15/TX	I/O	SCL0



## SECTION 3 DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

The illustration of Fig.5 is explained about AV-28R4SK/AV-32R4SK.

In case of AV-28T Series or AV-32T Series MODELS, you disassemble in the same procedure using Fig.6.

#### 3.1.1 REMOVING THE REAR COVER

- (1) Unplug the power plug.
- (2) Remove the sub woofer cord from the AV TERMINAL BOARD.
- (3) Remove the SUB WOOFER UNIT on the top of the rear cover upward.
- (4) Remove the 13 screws [A] as shown in Fig.5.
- (5) Withdraw the REAR COVER toward you.

#### 3.1.2 REMOVING THE SIDE CONTROL JACK ASSY

- Remove the REAR COVER.
- (1) Remove the screw [B] as shown in Fig.5.
- (2) Slightly pull the SIDE CONTROL JACK ASSY toward you, and detach the claw from FRONT CABINET. Then it can be removed.
- (3) Then disconnect the connector [S], [F] and [K] as shown in Fig 1.

#### 3.1.3 REMOVING THE SIDE CONTROL PWB

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASSY.
- (1) Remove the 3 claws [C] from backside of the SIDE CONTROL JACK ASSY as shown in Fig.1.
- (2) Remove the SIDE CONTROL PWB from the SIDE CONTROL JACK ASSY.

#### 3.1.4 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
- (1) Remove the 5 screws [G] as shown in Fig. 5.
- (2) Remove the 2 claws [H] at the bottom of the AV TERMINAL BOARD as shown in Fig. 2.
- (3) Shift the AV TERMINAL BOARD slightly in the direction of arrow [I], and remove it as shown in Fig. 2.
- (4) At first, expand the lever [K] with the SUB WOOFER connector, and pull it out of connector jack as shown in Fig.3.

#### 3.1.5 REMOVING THE MAIN CHASSIS

- Remove the REAR COVER.
- (1) Slightly raise the MAIN CHASSIS, and release the two claws at the bottom of and both sides of the MAIN CHASSIS.
- (2) Then withdraw the MAIN CHASSIS backward from the front cabinet. (If necessary, detach the wire clamp, connectors etc.)

#### 3.1.6 REMOVING THE MAIN SPEAKER

- Remove the REAR COVER.
- (1) Remove the 2 screws [E], and detach the MAIN SPEAKER HOLDER as shown in Fig. 5. (When removing the screws [E] of the MAIN SPEAKER HOLDER, the lower side screw first, and then upper one.)
- (2) Remove the 4 screws [F], which attached the MAIN SPEAKER.
- (3) Follow the same steps when disassemble the other hand MAIN SPEAKER.

#### 3.1.7 REMOVING THE CENTER SPEAKER

- Remove the REAR COVER.
- Remove the MAIN CHASSIS.
- (1) Remove the 2 screws [D] as shown in Fig. 5.
- (2) Remove the CENTER SPEAKER. If necessary, detach the cables.

#### 3.1.8 CHECKING THE PW BOARD

- (1) Pull out the MAIN CHASSIS (Refer to REMOVING THE MAIN CHASSIS).
- (2) Erect the CHASSIS vertically with the HVT side facing up so that you can easily check the back side of the PW board.

#### 3.1.9 CAUTION

- (1) When erecting the MAIN CHASSIS, be careful so that there will be no contacting with other PWB.
- (2) Before turning power on, make sure that the wire connector is properly connected.
- (3) When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

#### 3.1.10 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

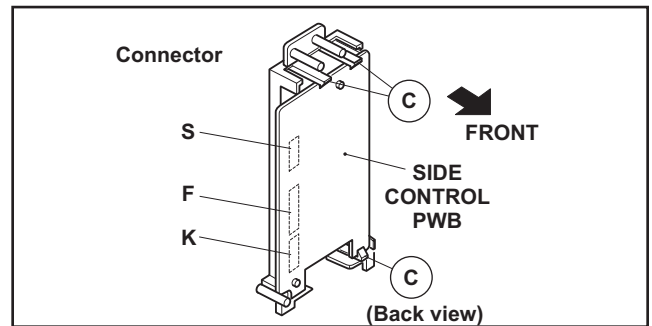


Fig.1

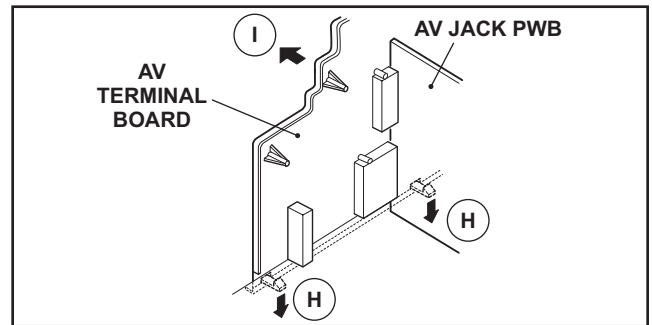


Fig.2

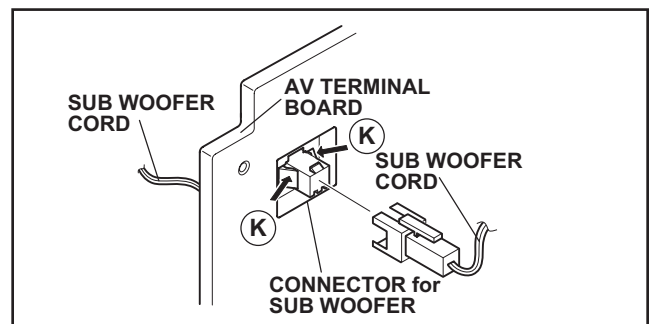


Fig.3



### 3.1.11 REMOVING THE SUB WOOFER UNIT [AV-28R4SK / AV-32R4SK]

- (1) Remove the 15 screws [L], remove the SP BOX B.
- (2) Remove the 4 screws [M], remove the SPEAKER.
- (3) Remove the 3 screws [N], remove BASS INT. DUCT.

#### CAUTION

- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when moving the woofer unit.
- If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- Do not grip the woofer unit when moving the TV.
- Do not place objects on the woofer unit duct.

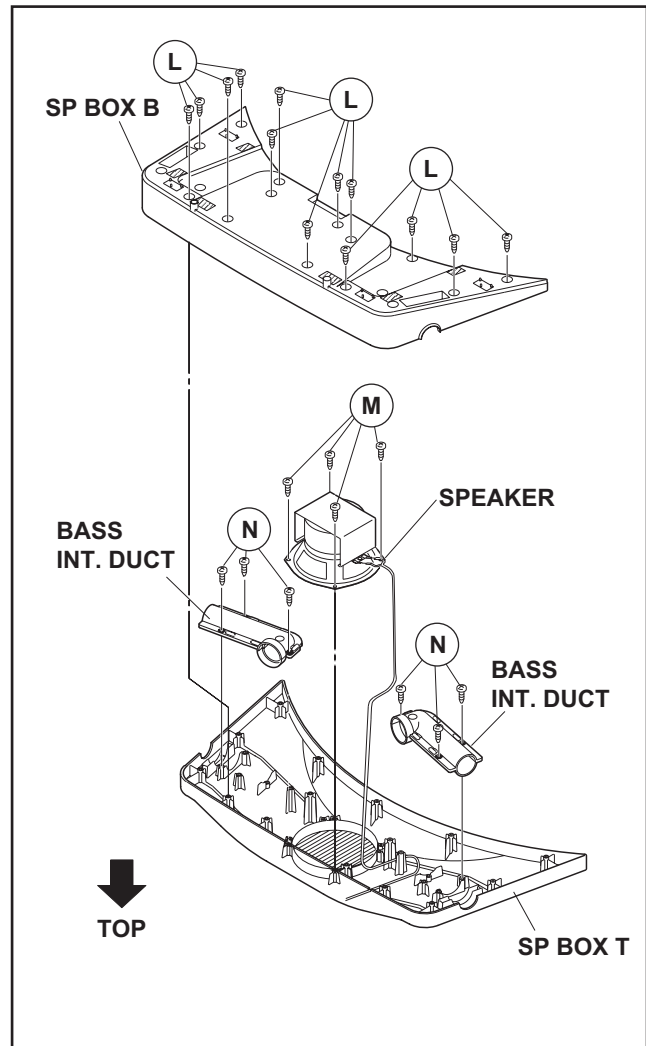
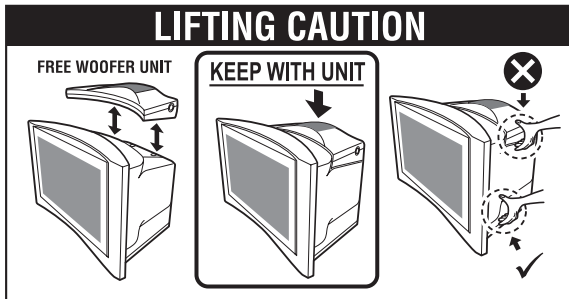


Fig.4



### 3.1.12 EXPLODED VIEW [AV-28R4SK and AV-32R4SK]

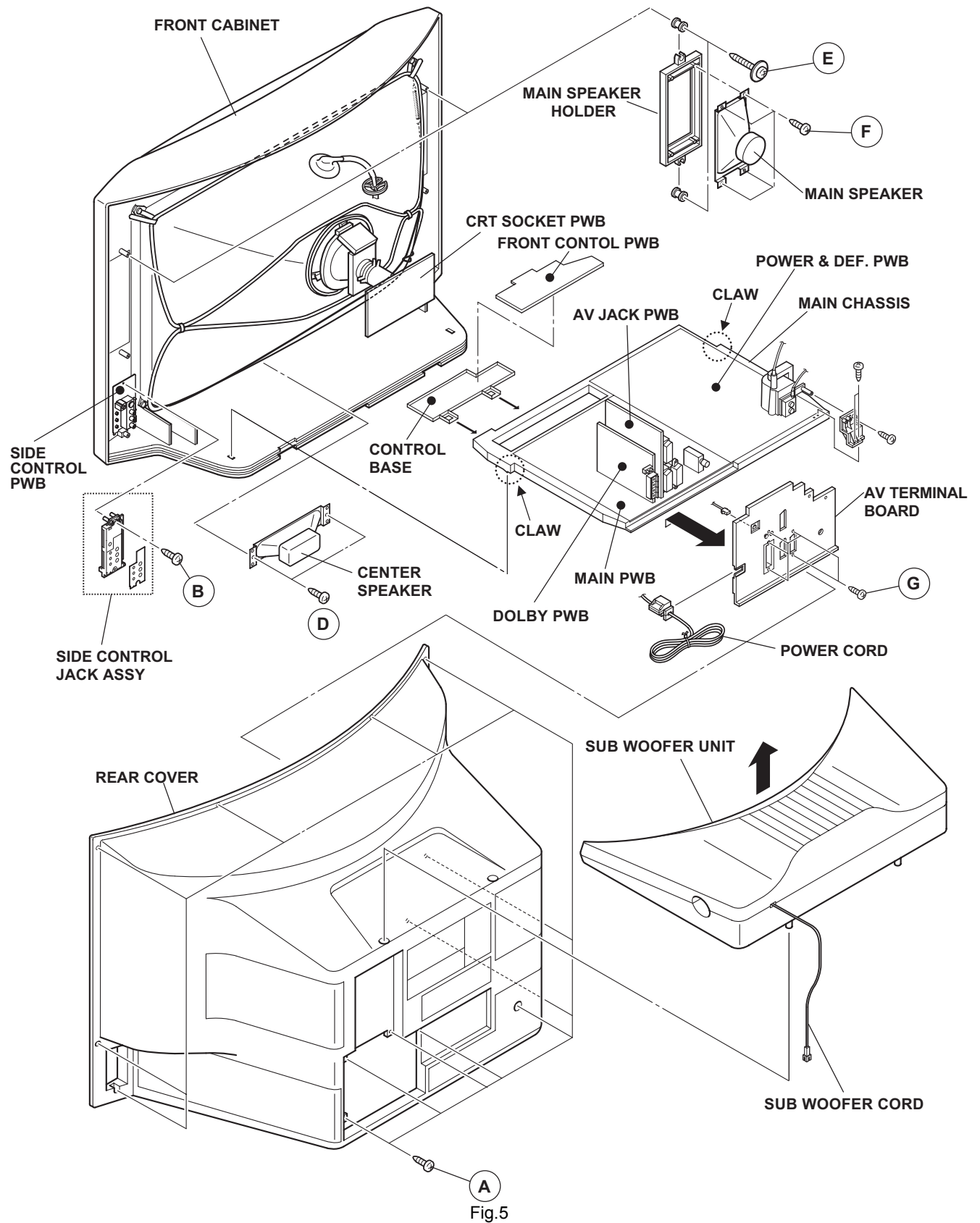
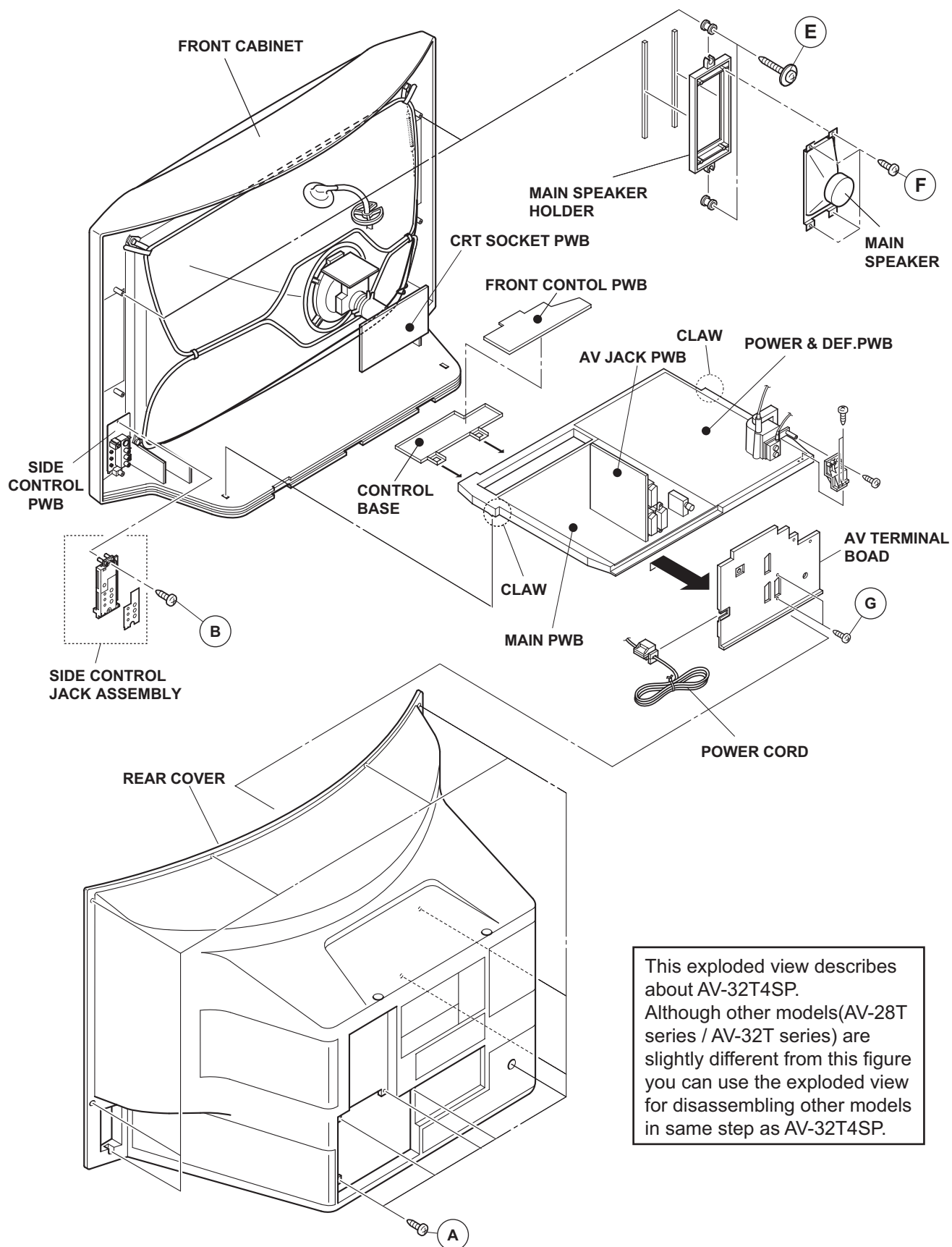


Fig.5



### 3.1.13 EXPLODED VIEW [AV-28T Series and AV-32T Series]



This exploded view describes about AV-32T4SP. Although other models(AV-28T series / AV-32T series) are slightly different from this figure you can use the exploded view for disassembling other models in same step as AV-32T4SP.

Fig.6



### 3.1.14 REMOVING THE CRT

#### NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
  - After removing the REAR COVER, CHASSIS etc.,
- (1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 6).
  - (2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 6.
  - (3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 7.

#### NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

- (4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 8.

#### NOTE:

- The CRT should be assembled according to the opposite sequence of its dismantling steps.
- The CRT change table should preferably be smaller than the CRT surface, and its height be about 35cm.

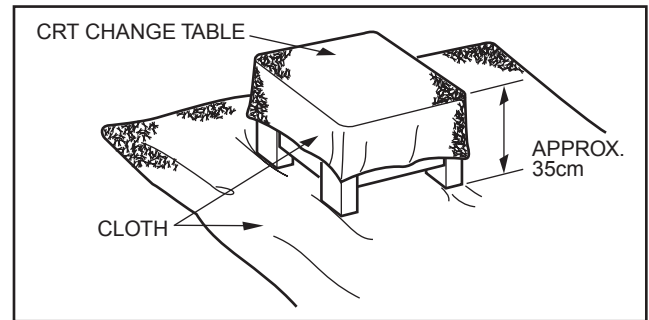


Fig.7

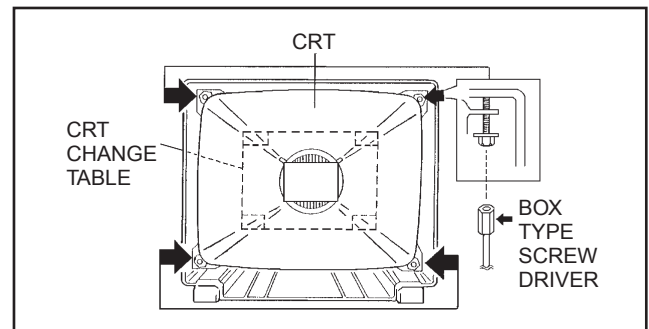


Fig.8

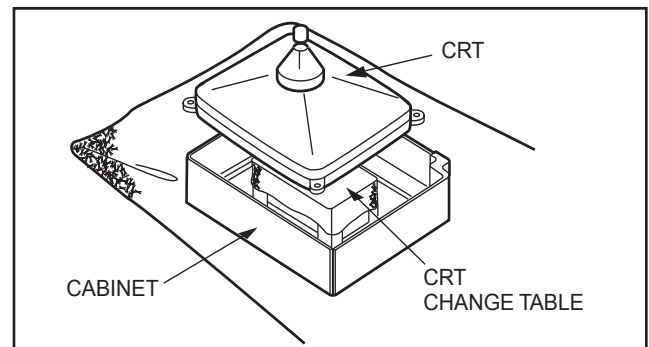


Fig.9

### COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismantling them, be sure to coat silicon grease for electrical insulation as shown in Fig.9. Wipe around the anode button with clean and dry cloth. (Fig.9) Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not sticks to the anode button. (Fig.10)

**Silicon grease product No. KS - 650N**

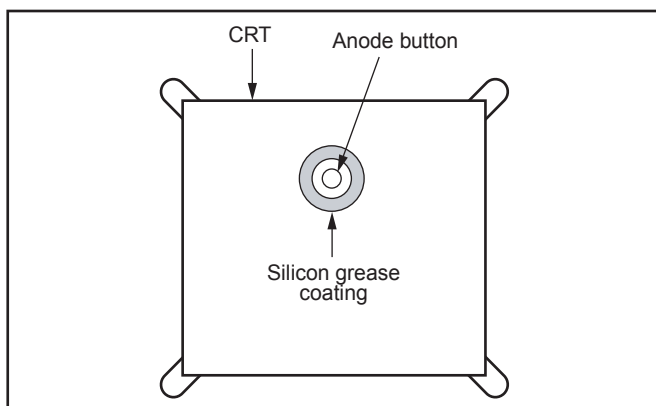


Fig.10

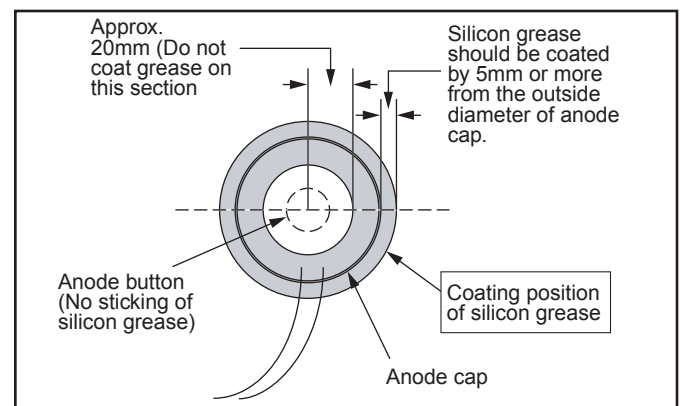


Fig.11



## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 MEMORY IC REPLACEMENT PROCEDURE

#### 1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

#### 2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

#### 3. Power on

Connect the power plug to the AC outlet and switch on the power.

#### 4. System constant check and setting

\* It must not adjust without signal.

- (1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously.
- (2) The SERVICE MENU screen of Fig. 1 will be displayed.
- (3) While the SERVICE MENU is displayed, press the [INFORMATION] key and [MUTING] key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
- (4) Refer to the "SETTING VALUES OF SYSTEM CONSTANT SET", and check the setting items. Where these differ, select the address with the [FUNCTION (UP/DOWN)] key and adjust it with the [FUNCTION (RIGHT/LEFT)] keys. (The letter of the selected item is displayed in yellow.)
- (5) A setup will become effective if the main power is shut off.

#### 5. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

#### 6. User settings

Check the user setting items according to the given in page later.

Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

#### 7. SERVICE MENU setting

Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

SERVICE MENU	
1. IF	2. V/C
3. AUDIO	4. DEF
5. VSM PRESET	6. VPS
7. SHIPPING (OFF)	
MODEL=JW EURO (XXXXX)	

Fig.1

EEP EDIT (LAST MEMORY) TOP ADDRESS=000H									
Address	Setting data								
	<table border="1"> <tr> <td>00 01</td><td>02 03 04 05 06 07</td></tr> <tr> <td>8F 00</td><td>FE FF FF FF FF FF</td></tr> <tr> <td>08 09 0A 0B 0C 0D 0E 0F</td><td></td></tr> <tr> <td>FF 01 BB FC 1F F9 FF FF</td><td></td></tr> </table>	00 01	02 03 04 05 06 07	8F 00	FE FF FF FF FF FF	08 09 0A 0B 0C 0D 0E 0F		FF 01 BB FC 1F F9 FF FF	
00 01	02 03 04 05 06 07								
8F 00	FE FF FF FF FF FF								
08 09 0A 0B 0C 0D 0E 0F									
FF 01 BB FC 1F F9 FF FF									
	Do not adjust								

Fig.2

#### NAME OF REMOTE CONTROL KEY

Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

### 3.2.2 SYSTEM CONSTANT SETTING

Address	Setting data									
	AV-28R4SK	AV-28T4SK AV-28T4BK	AV-28T4SP	AV-28T4SR AV-28T4BR	AV-28T77SK	AV-32R4SK	AV-32T4SK	AV-32T4SP	AV-32T4SR	AV-32T77SK
00	8F	8B	CF	CF	89	9F	9B	DF	DF	99
01	00	00	02	01	00	00	00	02	01	00



### 3.2.3 SETTINGS OF FACTORY SHIPMENT

#### 3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10

#### 3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	PANORAMIC
3D SOUND	OFF

#### 3.2.3.3 REMOTE CONTROL MENU OPERATION

##### (1) PICTURE

Setting item	Setting position
PICTURE MODE	STANDARD
CONTRAST / BRIGHT SHARP / COLOUR / HUE	Refer to [5. VSM PRESET]
COLOUR TEMP.	NORMAL
FEATURES	
AUTO VNR	AUTO
COLOUR SYSTEM	TV According to preset CH
	EXT AUTO
4:3 AUTO ASPECT	PANORAMIC

##### (2) SOUND

Setting item	Setting position
STEREO / I·II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
HYPER SOUND	OFF
DOLBY VIRTUAL [AV-28T77SK/AV-32T77SK]	OFF
TV SPEAKER [AV-28R4SK/AV-32R4SK]	ON
SUROUND MODE [AV-28R4SK/AV-32R4SK]	
DOLBY PRO LOGIC II	TV SPEAKER L / C / R
	LEFT MAX
	CENTRE MAX
	RIGHT MAX
	LS MAX
	RS MAX
	WOOFER MAX
	DISTANCE 0

##### (3) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
BLUE BACK	ON
CHILD LOCK	Refer to OPERATION INSTRUCTIONS

##### (4) SET UP

Setting item	Setting position
AUTO PROGRAM	TV channel automatically set
EDIT/MANUAL	PRESET CH only The others : BLANK
LANGUAGE	ENGLISH
DECODER (EXT-2)	OFF
EXT SETTING	ID BLANK
	S-IN BLANK
	DUBBING EXT-1 → EXT-2
PICTURE TILT	MIDDLE



### 3.2.4 SERVICE MENU SETING ITEMS

Setting item	Setting value	Setting item	Setting value	
1. IF	1. VCO 2. DELAY POINT	5. VSM PRESET	BRIGHT/SOFT/STD	COOL/WARM/NOMAL
			1.BRIGHT 2.CONT. 3.COLOUR 4.SHARP 5.HUE	1.WDR R 2.WDR G 3.WDR B
2. V / C	1.SCREEN 2.CUTOFF R / G 3.WDR R / G / B 4.BRIGHT 5.CONT. 6.COLOUR 7.HUE 8.BLACK OFFSET B-Y 9.SHARP 10.Y-DELAY 11.TINT DVD 12.RGB BLK	6.VPS (Do not adjust)	VPS PDC WSS SN	
3. AUDIO (Do not adjust)	1.DCX0 ADJ. 2.ERROR LIMIT 3.A2 ID THR	7.SHIPPING (Do not adjust)	ON/OFF	
4. DEF.	1.V-SHIFT 2.V-SLOPE 3.V-SIZE 4.H-CENT 5.H-SIZE 6.TRAPEZ 7.EW-PIN 8.COR-UP 9.COR-LOW 10.ANGLE 11.BOW 12.V-S.CR 13.V-LIN			



### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

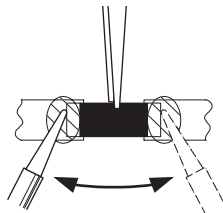
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

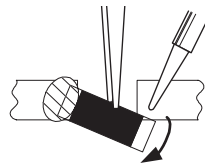
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

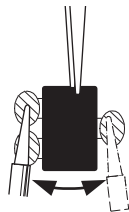


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



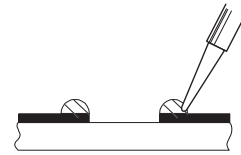
#### NOTE :

After removing the part, remove remaining solder from the pattern.

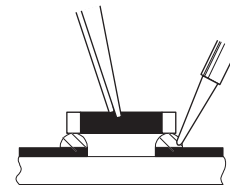
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

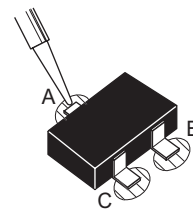


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

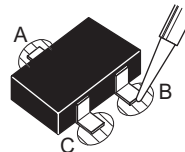


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.





## SECTION 4 ADJUSTMENT

### 4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

### 4.2 PRESET SETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

Item	Preset value
PICTURE MODE	STD
COLOUR TEMP.	NORMAL
BASS / TREBLE / BALANCE	Centre
ZOOM	FULL
SLEEP TIMER	OFF

### 4.3 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator  
(Pattern generator : PAL / SECAM / NTSC)
- (4) Remote control unit

### 4.4 ADJUSTMENT ITEMS

#### ■ CHECK ITEM

- B1 POWERSUPPLY check
- HIGH VOLTAGE check
- IF VCO check

#### ■ FOCUS

- FOCUS adjustment

#### ■ DEFLECTION CIRCUIT

- V. POSITION adjustment
- V. SIZE adjustment
- H. POSITION adjustment
- H. SIZE adjustment
- SIDE-PIN adjustment
- TRAPEZIUM adjustment
- CORNER adjustment
- ANGLE adjustment
- BOW adjustment
- V. S-SHAPE CORRECTION & V.LINEARITY adjustment

#### ■ VIDEO CIRCUIT

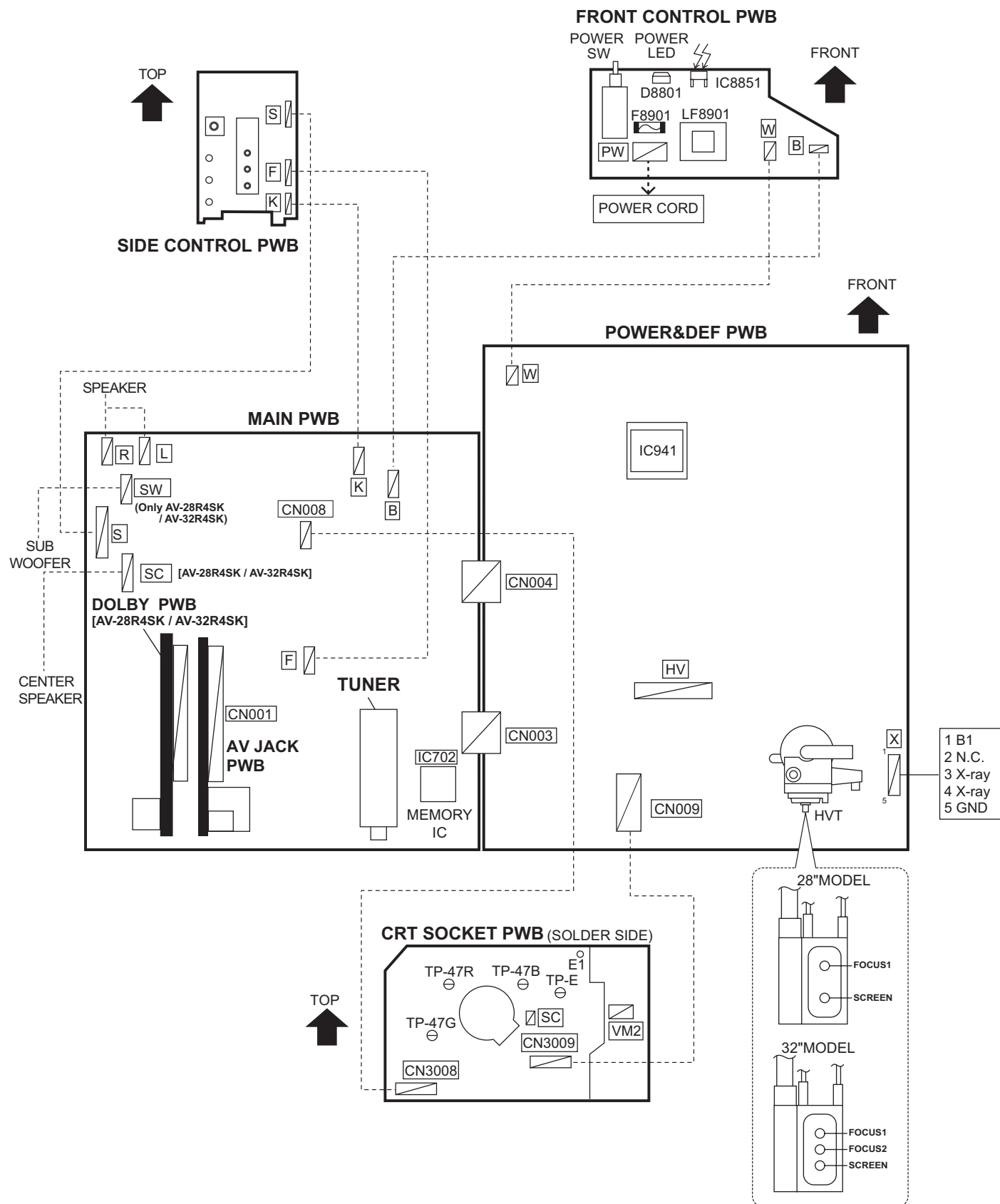
- WHITE BALANCE adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOUR-1 adjustment
- SUB COLOUR-2 adjustment
- SUB HUE-1 adjustment
- SUB HUE-2 adjustment
- SECAM BLACK OFFSET adjustment

#### ■ VSM PRESET SETTING

- VSM PRESET setting



## 4.5 ADJUSTMENT LOCATIONS





## 4.6 BASIC OPERATION OF SERVICE MENU

### 4.6.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

### 4.6.2 SERVICE MENU ITEMS

With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

1.IF	This mode adjusts the setting values of the IF circuit.
2.V/C	This mode adjusts the setting values of the VIDEO / CHROMA circuit.
3.AUDIO	This mode adjusts the setting values of the multiplicity SOUND circuit. <b>[Do not adjust]</b>
4.DEF	This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below.
5.VSM PRESET	This mode adjusts the initial setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory)
6.VPS	This mode shows the monitor of the VPS, PDC, WSS and SN. <b>[Do not adjust]</b>
7.SHIPPING(OFF)	This mode is set at shipping. <b>[Do not adjust]</b>

### 4.6.3 BASIC OPERATION OF SERVICE MENU

#### (1) HOW TO ENTER SERVICE MENU

Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.1 will be displayed.

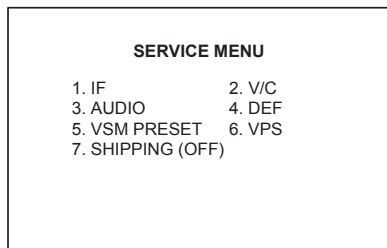


Fig.1

#### (2) SELECTION OF SUB MENU SCREEN

Press one of [1] - [5] keys of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See "SERVICE MENU FLOW CHART"), from the SERVICE MENU.

NAME OF REMOTE CONTROL KEY	
Names of key	Key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

Fig.2

#### (3) METHOD OF SETTING

##### ● 1.IF

[1.VCO] : It must not adjust without signal.

Key	Function
(1) [1]	Select 1.IF
(2) [1]	Select 1.VCO (CW) Make sure that the arrow position between the ABOVE REF and BELOW REF.
(3) [INFORMATION]	Return to the SERVICE MENU screen.

##### ● 2.V/C, 4.DEF AND 5.VSM PRESET.

Key	Function
(1) [2] / [3] / [4] / [5]	Select one from 2.V/C, 4.DEF and 5.VSM PRESET.
(2) [FUNCTION UP / DOWN (▲/▼)]	Select setting items.
(3) [FUNCTION +/- (◀/▶)]	Set (adjust) the setting values of the setting items.
(4) [OK]	Memorize the setting value.(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key if you do, the values will not be stored in memory.)
(5) [INFORMATION]	Return to the SERVICE MENU screen.

##### ● 3.AUDIO, 6.VPS, and 7.SHIPPING.

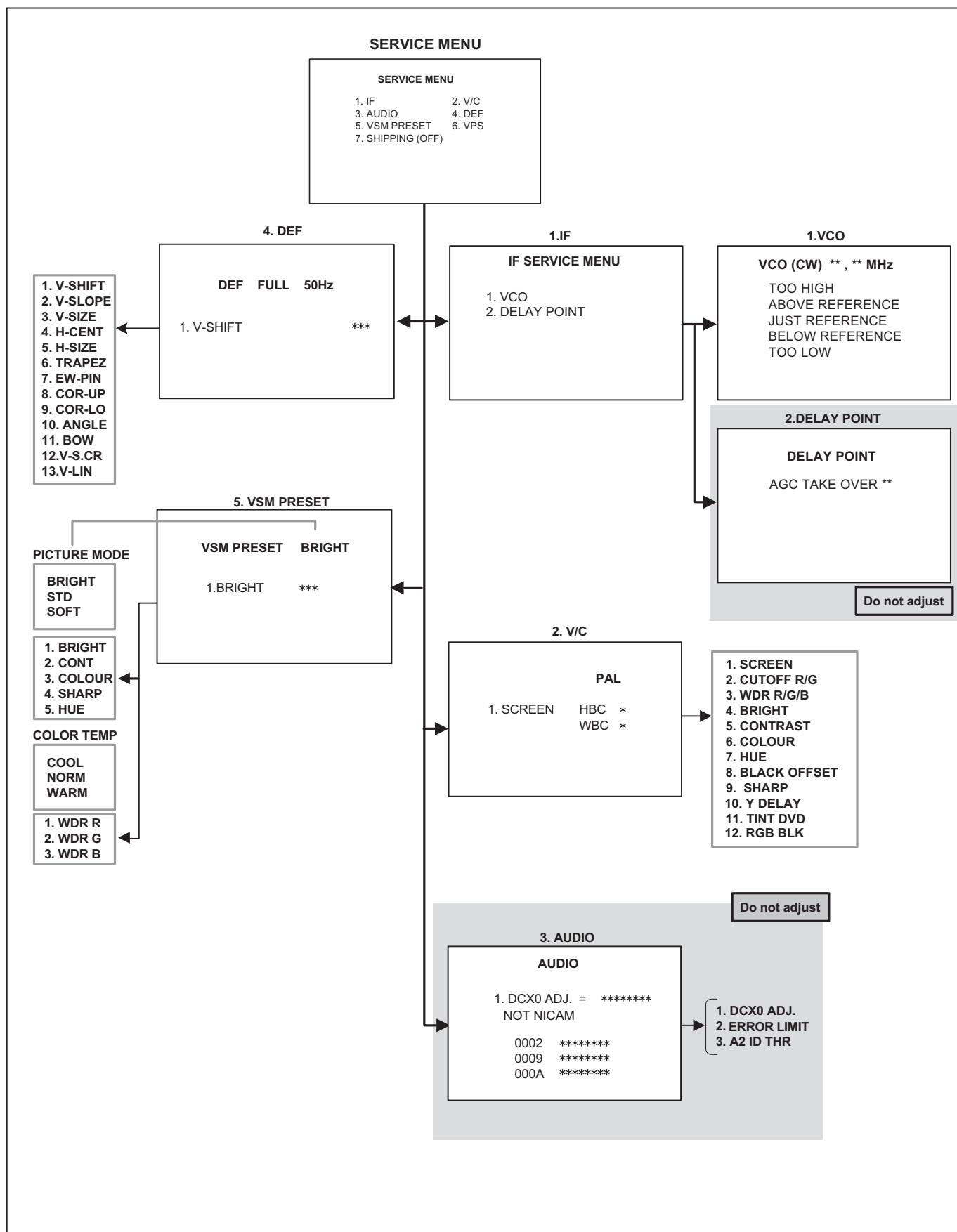
**[Do not setting]**

#### (4) RELEASE OF SERVICE MENU

After completing the setting, return to the SERVICE MENU, then again press the [INFORMATION] key.



#### 4.6.4 SERVICE MENU FLOW CHART





#### 4.7 INITIAL SETTING VALUE OF SERVICE MENU

- (1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values. However, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
- (2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
- (3) "---" is impossible to adjust or not requirement to adjustment.

##### 4.7.1 [2. V/C]

Setting item		Variable range	Setting value				
			PAL	SECAM	NTSC	NTSC4.43	RGB
2. CUT OFF	RED	-63~+63	0	0	0	0	0
	GREEN	-63~+63	0	0	0	0	0
3. WDR	RED	-63~+63	0	0	0	0	0
	GREEN	-63~+63	0	0	0	0	0
	BLUE	-63~+63	0	0	0	0	0
4. BRIGHT		-63~+63	0	0	0	0	0
5. CONTRAST		-63~+63	-10	-10	-10	-10	0
6. COLOUR		-63~+63	0	0	0	0	0
7. HUE		-63~+63	---	---	0	0	---
8. BLACK OFFSET	B-Y	0~3	---	3	---	---	---

Setting item	Variable range	Setting value								
		PAL		SECAM		NTSC		NTSC4.43		RGB
		RF	VIDEO	RF	VIDEO	RF	VIDEO	RF	VIDEO	
9. SHARP	-63~+63	+5	+5	+5	+5	+5	+5	+5	+5	+5

Setting item	Variable range	Setting value												
		PAL			SECAM			NTSC			NTSC4.43			RGB
		RF	VIDEO	S	RF	VIDEO	S	RF	VIDEO	S	RF	VIDEO	S	
10. Y DELAY	-63~+63	+5	+5	+5	+5	+5	+5	+5	+5	+5	+5	+5	+5	+5

Setting item		Variable range	Setting value				
			PAL	SECAM	NTSC	NTSC4.43	RGB
11. TINT DVD		-63~+63	0	0	0	0	0
12. RGB BLK		---	---	---	---	---	---

##### 4.7.2 [3. AUDIO] [Do not adjust]

Setting item	Variable range	Setting value
1. DCXO ADJ.	---	F0
2. A2 ID THR	000H~FF0H	B0
3. ERR LIMIT	00H~FFH	00



#### 4.7.3 [4. DEF]

Setting item	Variable range	Initial setting value											
		FULL		PANORAMIC		SUBTITLE		14:9 ZOOM		REGULAR		COMPRESS	
		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
1.V-SHIFT	-32~+31	±0	+3	+3	±0	-12	±0	±0	±0	±0	±0	±0	±0
2.V-SLOPE	-32~+31	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0
3.V-SIZE	-32~+31	±0	-1	+5	±0	+20	±0	+14	±0	±0	±0	-32	±0
4.H-CENT	-32~+31	+8	5	-2	±0	±0	±0	±0	±0	±0	±0	+11	±0
5.H-SIZE	-32~+31	+18	±0	+9	±0	±0	±0	±0	±0	±0	±0	±0	±0
6.TRAPEZ	-32~+31	-4	±0	±0	±0	+2	±0	±0	±0	±0	±0	±0	±0
7.EW-PIN	-32~+31	-15	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0
8.COR-UP	-32~+31	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0
9.COR-LO	-32~+31	±0	±0	±0	±0	+7	±0	±0	±0	±0	±0	±0	±0
10.ANGLE	-32~+31	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0
11.BOW	-32~+31	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0
12.V.S-COR	-32~+31	-14	±0	+10	±0	+4	±0	±0	±0	±0	±0	±0	±0
13.V.LIN	-32~+31	+3	±0	+6	±0	+8	±0	±0	±0	±0	±0	±0	±0

#### 4.7.4 [5. VSM PRESET]

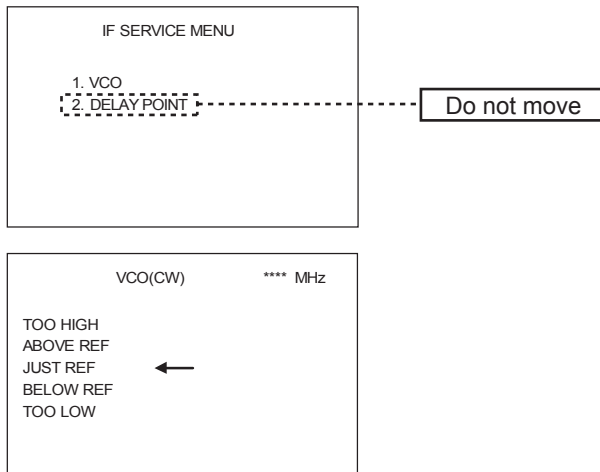
Item	Variable range	Setting value					
		PICTURE MODE			COLOUR TEMP.		
		BRIGHT	STANDARD	SOFT	COOL	NORMAL	WARM
1.BRIGHT	-16~+16	+0	+0	+0	---	---	---
2.CONT	-16~+16	+12	+10	+2	---	---	---
3.COLOUR	-16~+16	+6	+0	-2	---	---	---
4.SHARP	-16~+16	+0	+0	-2	---	---	---
5.HUE	-16~+16	+0	+0	+0	---	---	---
1.WDR R	-64~+64	---	---	---	-8	+7	+0
2.WDR G	-64~+64	---	---	---	+0	+0	+0
3.WDR B	-64~+64	---	---	---	+9	-6	+0



## 4.8 ADJUSTMENT PROCEDURE

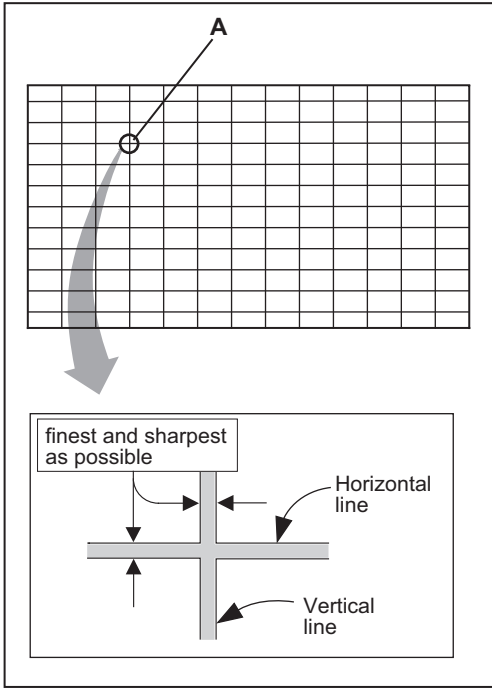
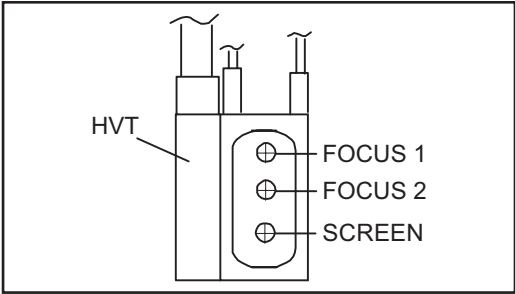
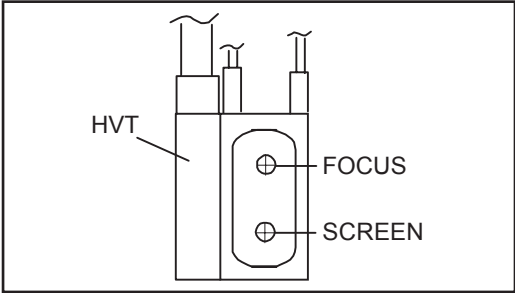
### 4.8.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
<b>B1 POWER SUPPLY check</b>	Signal generator DC voltmeter Remote control unit	X connector TP-91(B1) TP-E [POWER DEF PWB]	[2.V/C] 12.RGB BLK	(1) Receive the any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 12. RGB BLK >. (4) Press the [FUNCTION + (▶)] key to find the cut off screen (Black screen). (5) Connect a DC voltmeter to TP-91(B1) and TP-E. (6) Make sure that the voltage is DC143V ± 2.0V. (7) Press the [FUNCTION - (◀)] key to return to service menu.
<b>HIGH VOLTAGE check</b>	Signal generator HV voltmeter Remote control unit	CRT anode Chassis GND	[2.V/C] 12.RGB BLK	(1) Receive the any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select < 12. RGB BLK >. (4) Press the [FUNCTION + (▶)] key to find the cut off screen (Black screen). (5) Connect a HV voltmeter to CRT ANODE and chassis GND. (A ground side is connected previously) (6) Make sure that the voltage is DC 31.0kV (+1kV / -1.5kV). (7) Press the [FUNCTION - (◀)] key to return to service menu.  <b>NOTE:</b> When removing a prove, an anode side is removed previously.
<b>IF VCO check</b>	Remote control unit		[1.IF] 1.VCO	<ul style="list-style-type: none"> <li>Under normal conditions, no adjustment is required.</li> <li>It must not adjust without broadcast signal.</li> </ul> (1) Receive the any broadcast. (2) Select 1.IF from the SERVICE MENU. (3) Select < 1.VCO >. (4) Check the ←(arrow) position between the ABOVE REF. and BELOW REF.





## 4.8.2 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
<b>FOCUS</b> [32" MODELS]	Signal generator		FOCUS 1 VR FOCUS 2 VR [In HVT]	<p>(1) Receive the crosshatch signal.  (2) Set the ZOOM mode to FULL.  (3) By turning the FOCUS 2 VR, adjust the picture so that the A part vertical line may become thinnest (Fig.1) .  (4) By turning the FOCUS 1 VR, adjust the picture so that the A part horizontal line may become uniform at the line centre and its periphery (Fig.1) .  (5) Make sure that when the screen is darkened, the lines remain in good focus.</p>
 <p>Fig.1</p>				
<b>FOCUS</b> [28" MODELS]	Signal generator		FOCUS VR [In HVT]	<p>(1) Receive the cross-hatch signal.  (2) Set the ZOOM mode to FULL.  (3) While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and infine detail.  (4) Make sure that the picture is in focus even when the screen gets darkened.</p>
				

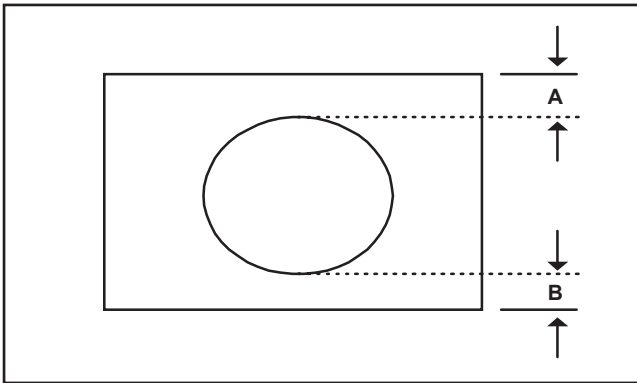
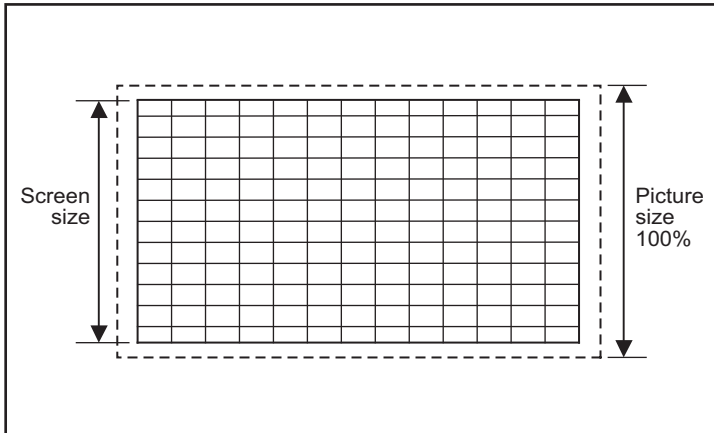


#### 4.8.3 DEFLECTION CIRCUIT

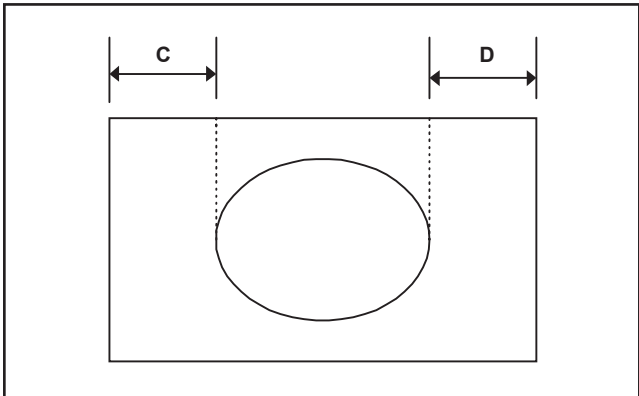
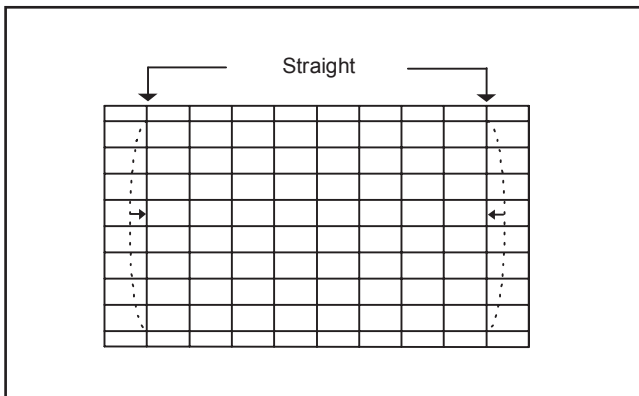
There are 6 aspect modes ( 1.FULL, 2.PANORAMIC, 3.SUBTITLE, 4.14:9 ZOOM 5.REGULAR 6.COMPRESS) of the adjustment. Depending upon the kind of signals.

##### NOTE :

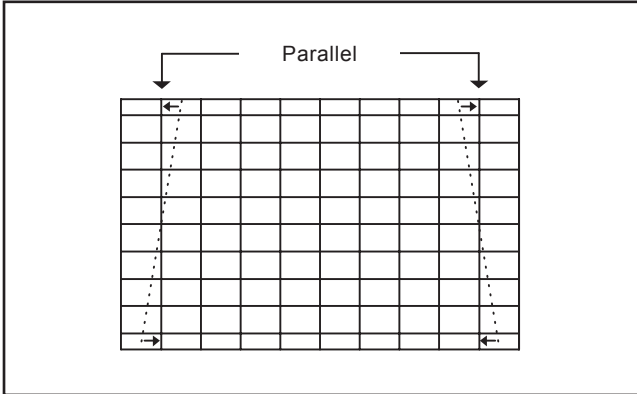
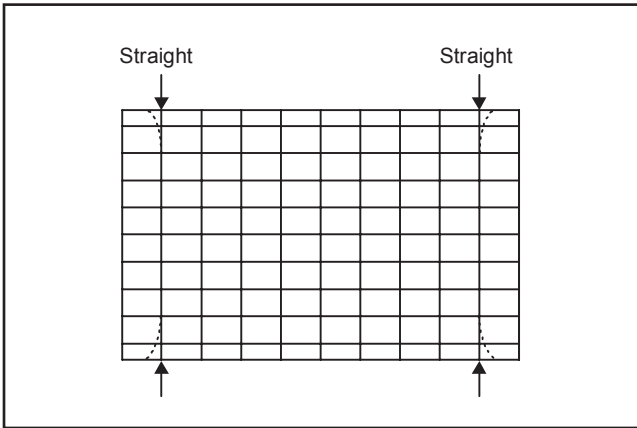
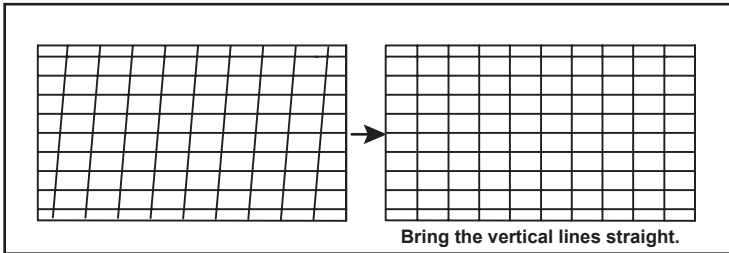
- At first the adjustment in 50Hz FULL mode should be done, then the data for the other aspect mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz (NTSC EXT mode) FULL mode. If the adjustment in 50Hz each aspect mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.

Item	Measuring instrument	Test point	Adjustment part	Description																		
V. POSITION	Signal generator		[4.DEF] 1.V- SHIFT	<div>(1) Receive the circle pattern signal of vertical frequency 50Hz (PAL / SECAM).</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MENU.</div> <div>(4) Select &lt; 1.V-SHIFT &gt;.</div> <div>(5) Set the initial setting value of &lt; 1.V-SHIFT &gt;.</div> <div>(6) Adjust vertical position to make A = B.</div> <div>(7) Check the adjustment value above in other zoom mode. If it is a wrong adjustment, re-adjust in FULL mode and adjust by &lt; 1.V-SHIFT &gt;.</div> <div>(8) Press the [MENU] key and memorize the set value.</div>																		
	Remote control unit																					
<div></div>																						
V. SIZE	Signal generator		[4.DEF] 3.V-SIZE	<div>(1) Receive the cross-hatch signal.</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MENU.</div> <div>(4) Select &lt; 3.V-SIZE &gt;.</div> <div>(5) Set the initial setting value of &lt; 3.V-SIZE &gt;.</div> <div>(6) Adjust to make sure that the vertical screen size of the picture size is in the bellow table.</div> <div>(7) Make sure that the vertical screen size of the each ASPECT mode is in the below table.</div> <div>(8) Press the [MENU] key and memorize the set value.</div> <div>(9) Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the vertical screen size is in the table below.</div> <div>(10) Press the [MENU] key and memorize the set value.</div>																		
	Remote control unit																					
<div></div>																						
<div>[SCREEN SIZE]</div> <table><tr><th>ASPECT MODE</th><th>FULL</th><th>PANORAMIC</th><th>SUBTITLE</th><th>14:9 ZOOM</th><th>REGULAR</th></tr><tr><td>SCREEN TOP</td><td>92%</td><td>87%</td><td>70%</td><td>80%</td><td>92%</td></tr><tr><td>SCREEN BOTTOM</td><td>92%</td><td>87%</td><td>83%</td><td>80%</td><td>92%</td></tr></table>					ASPECT MODE	FULL	PANORAMIC	SUBTITLE	14:9 ZOOM	REGULAR	SCREEN TOP	92%	87%	70%	80%	92%	SCREEN BOTTOM	92%	87%	83%	80%	92%
ASPECT MODE	FULL	PANORAMIC	SUBTITLE	14:9 ZOOM	REGULAR																	
SCREEN TOP	92%	87%	70%	80%	92%																	
SCREEN BOTTOM	92%	87%	83%	80%	92%																	

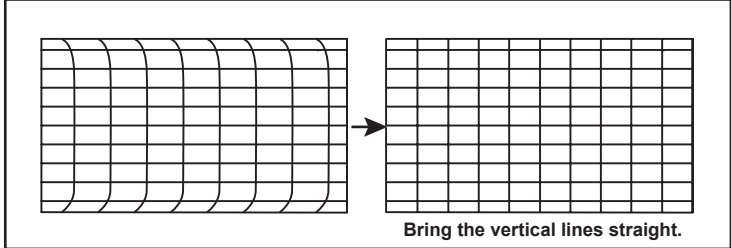
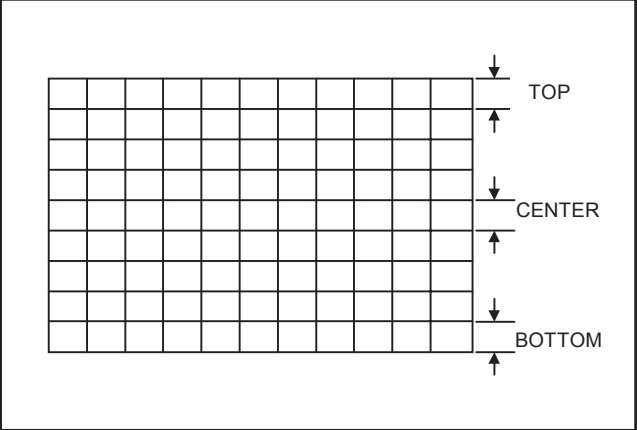


Item	Measuring instrument	Test point	Adjustment part	Description																		
H. POSITION	Signal generator  Remote control unit		[4.DEF] 4.H-CENT	(1) Receive the circle pattern signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MENU. (4) Select < 4.H-CENT >. (5) Set the initial setting value of < 4.H-CENT >. (6) Adjust horizontal position to make C=D. (7) Press the [MENU] key and memorize the set value.																		
																						
H. SIZE	Signal generator  Remote control unit		[4.DEF] 5.H-SIZE	(1) Receive the circle pattern signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MENU. (4) Select < 5.H-SIZE >. (5) Set the initial setting value of < 5.H-SIZE >. (6) Adjust to make sure that the horizontal screen size of the picture size is in the bellow table. (7) Make sure that the horizontal screen size of the each ASPECT mode is in the below table. (8) Press the [MENU] key and memorize the set value.																		
<p>[SCREEN SIZE]</p> <table><tr><th>MODE</th><th>FULL</th><th>PANORAMIC</th><th>SUBTITLE</th><th>14:9 ZOOM</th><th>REGULAR</th></tr><tr><td>28inch</td><td>91%</td><td>95% (94%)</td><td>92%</td><td>570mm</td><td>510mm</td></tr><tr><td>32inch</td><td>91%</td><td>95% (94%)</td><td>92%</td><td>495mm</td><td>450mm</td></tr></table>					MODE	FULL	PANORAMIC	SUBTITLE	14:9 ZOOM	REGULAR	28inch	91%	95% (94%)	92%	570mm	510mm	32inch	91%	95% (94%)	92%	495mm	450mm
MODE	FULL	PANORAMIC	SUBTITLE	14:9 ZOOM	REGULAR																	
28inch	91%	95% (94%)	92%	570mm	510mm																	
32inch	91%	95% (94%)	92%	495mm	450mm																	
SIDE-PIN	Signal generator  Remote control unit		[4.DEF] 7.EW-PIN	(1) Receive the cross-hatch signal. (2) Set the ZOOM mode to FULL. (3) Select 4.DEF from the SERVICE MENU. (4) Select < 7.EW-PIN >. (5) Set the initial setting value of < 7.EW-PIN >. (6) Adjust to make the 2nd vertical lines at the left and right edges of the screen straight. Also make sure that the 3rd vertical lines are straight. (7) Press the [MENU] key and memorize the set value.																		
																						



Item	Measuring instrument	Test point	Adjustment part	Description
TRAPEZIUM	Signal generator		[4.DEF] 6.TRAPEZ	<div>(1) Receive the cross-hatch signal.</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MENU.</div> <div>(4) Select &lt; 6.TRAPEZ &gt;.</div> <div>(5) Set the initial setting value of &lt; 6.TRAPEZ &gt;.</div> <div>(6) Adjust to bring the vertical lines at the right and left edges of the screen parallel.</div> <div>(7) Press the [MENU] key and memorize the set value.</div>
	Remote control unit			
<div></div>				
CORNER	Signal generator		[4.DEF] 8.COR-UP 9.COR-LO	<div>(1) Receive the cross-hatch signal.</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MENU.</div> <div>(4) Select &lt; 8.COR-UP &gt;.</div> <div>(5) Set the initial setting value of &lt; 8.COR-UP &gt;.</div> <div>(6) Adjust to bring the straight line at the upper corner.</div> <div>(7) Select &lt; 9.COR-LO &gt;.</div> <div>(8) Set the initial setting value of &lt; 9.COR-LO &gt;.</div> <div>(9) Adjust to bring the straight line at the low corner.</div> <div>(10) Press the [MENU] key and memorize the set value.</div>
	Remote control unit			
<div></div>				
ANGLE	Signal generator		[4.DEF] 10. ANGLE	<div>• In case where there is a parallelogrammatical distortion of images on the screen.</div> <div>(1) Receive the cross-hatch signal.</div> <div>(2) Set the ZOOM mode to FULL.</div> <div>(3) Select 4.DEF from the SERVICE MENU.</div> <div>(4) Select &lt; 10.ANGLE &gt;.</div> <div>(5) Set the initial setting value of &lt; 10. ANGLE &gt;.</div> <div>(6) Adjust to bring the vertical lines straight.</div> <div>(7) Press the [MENU] key and memorize the set value.</div>
	Remote control unit			
<div></div>				



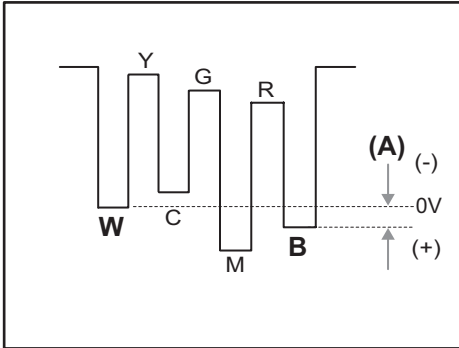
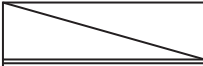
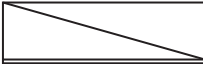
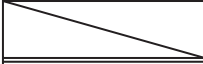
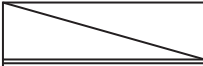
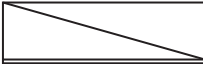
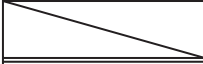
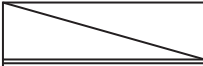
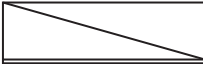
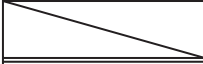
Item	Measuring instrument	Test point	Adjustment part	Description
<b>BOW</b>	Signal generator  Remote control unit		[4.DEF] 11.BOW	<ul style="list-style-type: none"> <li>In case where there is a bow-shaped distortion of images on the screen.               <ol style="list-style-type: none"> <li>Receive the cross-hatch signal.</li> <li>Set the ZOOM mode to FULL.</li> <li>Select 4.DEF from the SERVICE MENU.</li> <li>Select &lt; 11.BOW &gt;.</li> <li>Set the initial setting value of &lt; 11. BOW &gt;.</li> <li>Adjust to bring the vertical lines straight.</li> <li>Press the [MENU] key and memorize the set value.</li> </ol> </li> </ul>
				
<b>V. S-SHAPE CORRECTION &amp; V. LINEARITY</b>	Signal generator  Remote control unit		[4.DEF] 12.V-S.CR 13.V-LIN	<ul style="list-style-type: none"> <li>When the vertical linearity has been deteriorated remarkably, perform the following steps.               <ol style="list-style-type: none"> <li>Receive the cross-hatch signal.</li> <li>Set the ZOOM mode to FULL.</li> <li>Select 4.DEF from the SERVICE MENU.</li> <li>Select &lt; 13.V-LIN &gt;.</li> <li>Set the initial setting value of &lt; 13.V-LIN &gt;.</li> <li>Select &lt; 12.V-S.COR &gt;.</li> <li>Set the initial setting value of &lt; 12.V-S.COR &gt;.</li> <li>Adjust &lt; 13.V-LIN &gt; and &lt; 12.V-S.COR &gt; so that the spaces of each line on top, center and bottom become uniform.</li> <li>Press the [MENU] key and memorize the set value.</li> </ol> </li> </ul>
				



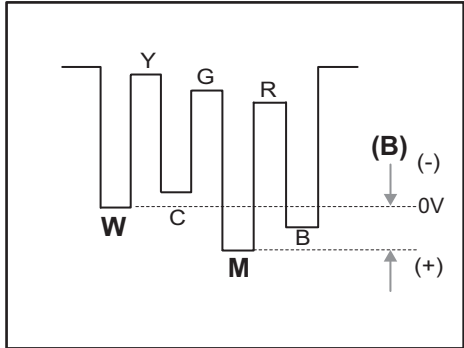
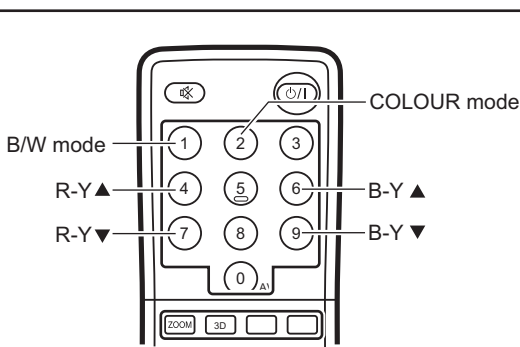
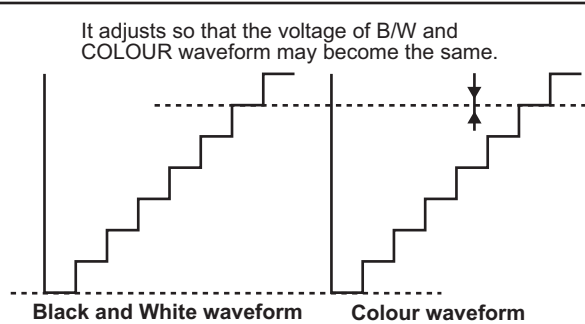
#### 4.8.4 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>WHITE BALANCE</b>	Signal generator  Remote control unit		[2. V/C] 2.CUTOFF R / G 3.WDR R / G / B	(1) Receive the black and white signal (colour off). (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Set the COLURTEMP. to NORMAL. (5) Select 2.V/C from the SERVICE MENU. (6) Select < 2.CUTOFF >. (7) Each select (R), (G) and adjust the screen until the black portion in the screen becomes black. (8) Select < 3.WDR >. (9) Each select (R), (G), (B) and adjust the screen until the white portion in the screen becomes white. <b>NOTE:</b> Do not adjust < 3. WDR G >. (10) Press the [MENU] key and memorize the set value. (11) Change the contrast and brightness from low-light to high-light and check that the tracking of the white balance is good.
<b>REMOTE CONTROL UNIT KEY</b>				
<b>SUB BRIGHT</b>	Remote control unit		[2. V/C] 4. BRIGHT	(1) Receive the any broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 4.BRIGHT >. (6) Set the initial setting value of < 4.BRIGHT >. (7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. (8) Press the [MENU] key and memorize the set value.
<b>SUB CONTRAST</b>	Remote control unit		[2. V/C] 5. CONT.	(1) Receive the any broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 5.CONT >. (6) Set the initial setting value of < 5.CONT >. (7) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. (8) Press the [MENU] key and memorize the set value.
<b>SUB COLOUR-1</b>	Remote control unit		[2.V/C] 6.COLOUR (PAL/SECAM/NTSC)	<b>[Method of adjustment without measuring instrument]</b> <b>PAL COLOUR</b> (1) Receive PAL broadcast. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 6.COLOUR >. (6) Set the initial setting value of < 6.COLOUR >. (7) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (8) Press the [MENU] key and memorize the set value. <b>SECAM COLOUR [AV-28T4SP / AV-32T4SP]</b> (1) Receive the SECAM broadcast. (2) Make fine adjustment of SECAM COLOUR in the same manner as for above. <b>NTSC 3.58 COLOUR</b> (1) Input the NTSC 3.58MHz signal from the EXT terminal. (2) Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above. <b>NTSC 4.43 COLOUR</b> (1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set.



Item	Measuring instrument	Test point	Adjustment part	Description												
SUB COLOUR-2	Signal generator	TP-47B	[2.V/C] 6.COLOUR (PAL/SECAM/NTSC)	<b>[Method of adjustment using measuring instrument]</b> <b>PAL COLOUR</b> (1) Receive the PAL full field colour bar signal (75% white). (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 6.COLOUR >. (6) Set the initial setting value of < 6.COLOUR >. (7) Connect the oscilloscope between TP-47B and TP-E. (8) Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)). (9) Press the [MENU] key and memorize the setting value.  <b>SECAM COLOUR [AV-28T4SP / AV-32T4SP]</b> (1) Receive the SECAM colour bar signal (75% white). (2) Set the initial setting value of SECAM COLOUR. (3) Adjust SECAM COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)). (4) Press the [MENU] key and memorize the setting value.  <b>NTSC 3.58 COLOUR</b> (1) Input the NTSC 3.58MHz signal (full field colour bar with 75% white) from the EXT terminal. (2) Set the initial setting value of NTSC 3.58 COLOUR. (3) Adjust NTSC 3.58 COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)). (4) Press the [MENU] key and memorize the setting value.  <b>NTSC 4.43 COLOUR</b> (1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set.												
	Oscilloscope	TP-E [CRT SOCKET PWB ]														
<div></div> <div><b>[PAL COLOUR VOLTAGE SETTING]</b><table><tr><td></td><td>Voltage setting</td></tr><tr><td>VOLTAGE (W-B)</td><td>+2V</td></tr></table></div> <div><b>[SECAM COLOUR VOLTAGE SETTING]</b><table><tr><td></td><td>Voltage setting</td></tr><tr><td>VOLTAGE (W-B)</td><td>-8V</td></tr></table></div> <div><b>[NTSC COLOUR VOLTAGE SETTING]</b><table><tr><td></td><td>Voltage setting</td></tr><tr><td>VOLTAGE (W-B)</td><td>+2V</td></tr></table></div>					Voltage setting	VOLTAGE (W-B)	+2V		Voltage setting	VOLTAGE (W-B)	-8V		Voltage setting	VOLTAGE (W-B)	+2V	
	Voltage setting															
VOLTAGE (W-B)	+2V															
	Voltage setting															
VOLTAGE (W-B)	-8V															
	Voltage setting															
VOLTAGE (W-B)	+2V															
SUB HUE-1	Remote control unit		[2.V/C] 7.HUE	<b>[Method of adjustment without measuring instrument]</b> <b>NTSC 3.58</b> (1) Input the NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 7. HUE >. (6) Set the initial setting value of < 7. HUE >. (7) If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue. (8) Press the [MENU] key and memorize the set value.  <b>NTSC 4.43</b> (1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.												



Item	Measuring instrument	Test point	Adjustment part	Description				
SUB HUE-2	Signal generator	TP-47B TP-E [CRT SOCKET PWB]	[2.V/C] 7.HUE	<b>[Method of adjustment using measuring instrument]</b> <b>NTSC 3.58 HUE</b> (1) Input the NTSC 3.58MHz signal (full field colour bar with 75% white) from the EXT terminal. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2.V/C from the SERVICE MENU. (5) Select < 7. HUE >. (6) Set the initial setting value of < 7. HUE >. (7) Connect the oscilloscope between TP-47B and TP-E. (8) Adjust < 7. HUE > to bring the value of (B) in the illustration to the values as shown given below (voltage difference between white (W) and magenta (M)). (9) Press the [MENU] key and memorize the setting value. <b>NTSC 4.43 HUE</b> (1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set.				
	Oscilloscope  Remote control unit							
<div></div> <div><b>[VOLTAGE SETTING]</b><table><tr><td></td><td>Voltage setting</td></tr><tr><td>VOLTAGE (W-M)</td><td>-10V</td></tr></table></div>					Voltage setting	VOLTAGE (W-M)	-10V	
	Voltage setting							
VOLTAGE (W-M)	-10V							
SECAM BLACK OFFSET	Signal generator	TP-47B TP-E [CRT SOCKET PWB]	[2.V/C] 8. BLACK OFFSET	(1) Receive the SECAM full field colour bar signal. (2) Set the ZOOM mode to FULL. (3) Set the PICTURE mode to STD. (4) Select 2. V/C from the SERVICE MENU. (5) Select < 8. BLACK OFFSET >. (6) Set the initial setting value of < 8.BLACK OFFSET >. (7) Connect the oscilloscope between TP-47B and TP-E at the CRT SOCKET PWB. (8) Press [1] and [2] keys alternately (turn the colour on and off), check the waveform of difference in the voltage. (9) While looking at the waveform, adjust < 8.BLACK OFFSET > to become same level of the signal voltage of black and white waveform by pressing [6] or [9] keys of remote control unit. (10) Press the [MENU] key and memorize the set value.				
	Remote control unit							
<div></div> <div><p>It adjusts so that the voltage of B/W and COLOUR waveform may become the same.</p></div> <div><b>[ TP-47B WAVEFORM ]</b></div>								



#### 4.8.5 VSM PRESET SETTING

Item	Measuring instrument	Test point	Adjustment part	Description
<b>VSM PRESET</b>	Remote control unit		[5.VSM PRESET] (BRIGHT/STD/STD/STD) 1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE (COOL/WARM/NORMAL) 1. WDR R 2. WDR G 3. WDR B	(1) Set the ZOOM mode to FULL. (2) Select 5.VSM PRESET from the SERVICE MENU. (3) Press the [MENU] key, and set the PICTURE MODE to BRIGHT. (4) Adjust the [FUNCTION UP/DOWN] and [-/+ ] key to bring the set values of 1.BRIGHT to 5. HUE to the values shown in the [5. VSM PRESET]. (5) Press the [MENU] key, and set the PICTURE MODE to STD. (6) Make similar adjustment as in 3 above. (7) Press the [MENU] key, and set the PICTURE MODE to SOFT. (8) Make similar adjustment as in 3 above. (9) Press the [MENU] key, and set the COLOUR TEMP to COOL. (10) Adjust the [FUNCTION UP/DOWN] and [-/+ ] key to bring the set values of 1.WDR R to 3. WDR B to the values shown in the table. (11) Press the [MENU] key, and set the COLOUR TEMP to WARM. (12) Make similar adjustment as in 9 above. (13) Press the [MENU] key, and set the COLOUR TEMP to NORMAL. (14) Make similar adjustment as in 9 above.

#### 4.8.6 AUDIO CIRCUIT

- Do not adjust 3.AUDIO of the SERVICE MENU. Not to change the values of 1. DCX0 ADJ., 2. ERROR LIMIT. 3. A2 ID THR .



# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%



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## USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-28R4SK	AV-28T4BK	AV-28T4SK	AV-28T4SP	AV-28T4BR	AV-28T4SR	AV-28T77SK
MAIN P.W.B	SJW-1902A-U2	SJW-1906A-U2	←	SJW-1002A-U2	←	←	SJW-1904A-U2
POWER&DEF P.W.B	SJW-2004A-U2	SJW-2002A-U2	←	←	←	←	←
CRT SOCKET P.W.B	SJW-3002A-U2	←	←	←	←	←	←
FRONT CONTROL P.W.B	SJW-8001A-U2	←	←	←	←	←	←
SIDE CONTROL P.W.B	SJW-8101A-U2	←	←	←	←	←	←
DOLBY P.W.B	SJW0D001A-U2	---	---	---	---	---	---
AV JACK P.W.B	SJW0J001A-U2	←	←	←	←	←	←
REMOTE CONTROL UNIT	RM-C1502-1C	RM-C1502B-1C	RM-C1502-1C	←	RM-C1502B-1C	RM-C1502-1C	←

P.W.B ASS'Y	AV-32R4SK	AV-32T4SK	AV-32T4SP	AV-32T4SR	AV-32T77SK
MAIN P.W.B	SJW-1901A-U2	SJW-1905A-U2	SJW-1001A-U2	←	SJW-1903A-U2
POWER&DEF P.W.B	SJW-2003A-U2	SJW-2001A-U2	←	←	←
CRT SOCKET P.W.B	SJW-3001A-U2	←	←	←	←
FRONT CONTROL P.W.B	SJW-8001A-U2	←	←	←	←
SIDE CONTROL P.W.B	SJW-8101A-U2	←	←	←	←
DOLBY P.W.B	SJW0D001A-U2	---	---	---	---
AV JACK P.W.B	SJW0J001A-U2	←	←	←	←
REMOTE CONTROL UNIT	RM-C1502-1C	←	←	←	←

## ABOUT MARK DISPLAY IN PARTS LIST

Item	AV-28R4SK	AV-28T4BK	AV-28T4SK	AV-28T4SP	AV-28T4BR	AV-28T4SR	AV-28T77SK
MARK	A	B	C	D	E	F	G

Item	AV-32R4SK	AV-32T4SK	AV-32T4SP	AV-32T4SR	AV-32T77SK
MARK	H	I	J	K	L



MODEL	MARK	MODEL	MARK	MODEL	MARK
AV-28R4SK	A	AV-28T4BR	E	AV-32T4SK	I
AV-28T4BK	B	AV-28T4SR	F	AV-32T4SP	J
AV-28T4SK	C	AV-28T77SK	G	AV-32T4SR	K
AV-28T4SP	D	AV-32R4SK	H	AV-32T77SK	L

## EXPLODED VIEW PARTS LIST -1

[AV-28R4SK / AV-28T4BK / AV-28T4SK / AV-28T4SP / AV-28T4BR / AV-28T4SR / AV-32R4SK / AV-32T4SK / AV-32T4SP / AV-32T4SR]

Ref.No.	Part No.	Part Name	Description	Local
1	LC41522-002C	JVC MARK		A,B,C,D,E,F,H,I,J,K
2	LC32229-001B-C	WINDOW		A,B,C,D,E,F,H,I,J,K
△ 100	LC11562-003B-U	FRONT CABINET ASSY	Inc.No.101-102	A
△ 100	LC11562-005A-U	FRONT CABINET ASSY	Inc.No.101-102	B,E
△ 100	LC11562-001B-U	FRONT CABINET ASSY	Inc.No.101-102	C,D,F
△ 100	LC11563-003B-U	FRONT CABINET ASSY	Inc.No.101-102	H
△ 100	LC11563-001B-U	FRONT CABINET ASSY	Inc.No.101-102	I,J,K
△ 101	LC31201-005A-U	POWER KNOB		B,E
△ 101	LC31201-003A-U	POWER KNOB		A,C,D,F,H,I,J,K
102	AEM3149-001-E	SPRING		A,B,C,D,E,F,H,I,J,K

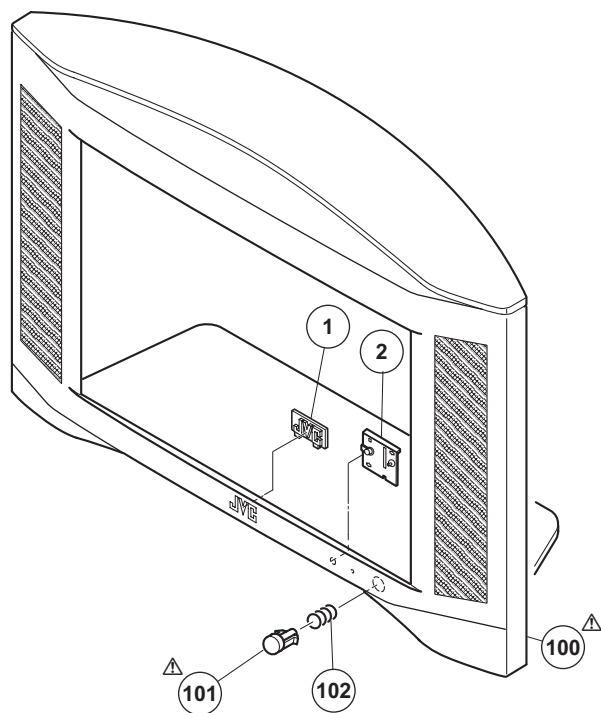
## EXPLODED VIEW PARTS LIST -2

[AV-28T77SK / AV-32T77SK]

Ref.No.	Part No.	Part Name	Description	Local
1	LC41250-002C-C	JVC MARK		G,L
2	LC31851-001B-C	WINDOW		G,L
△ 100	LC11313-007B-U	FRONT CABINET ASSY	Inc.No.101-102	G
△ 100	LC11360-007B-U	FRONT CABINET ASSY	Inc.No.101-102	L
△ 101	LC31201-003A-U	POWER KNOB		G,L
102	AEM3149-001-E	SPRING		G,L

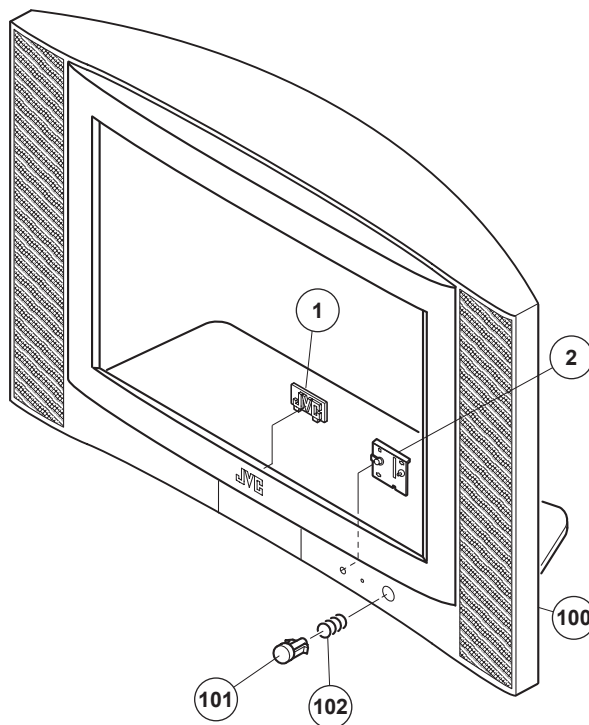
## EXPLODED VIEW -1

[AV-28R4SK / AV-28T4BK / AV-28T4SK / AV-28T4SP / AV-28T4BR / AV-28T4SR / AV-32R4SK / AV-32T4SK / AV-32T4SP / AV-32T4SR]



## EXPLODED VIEW -2

[AV-28T77SK / AV-32T77SK]





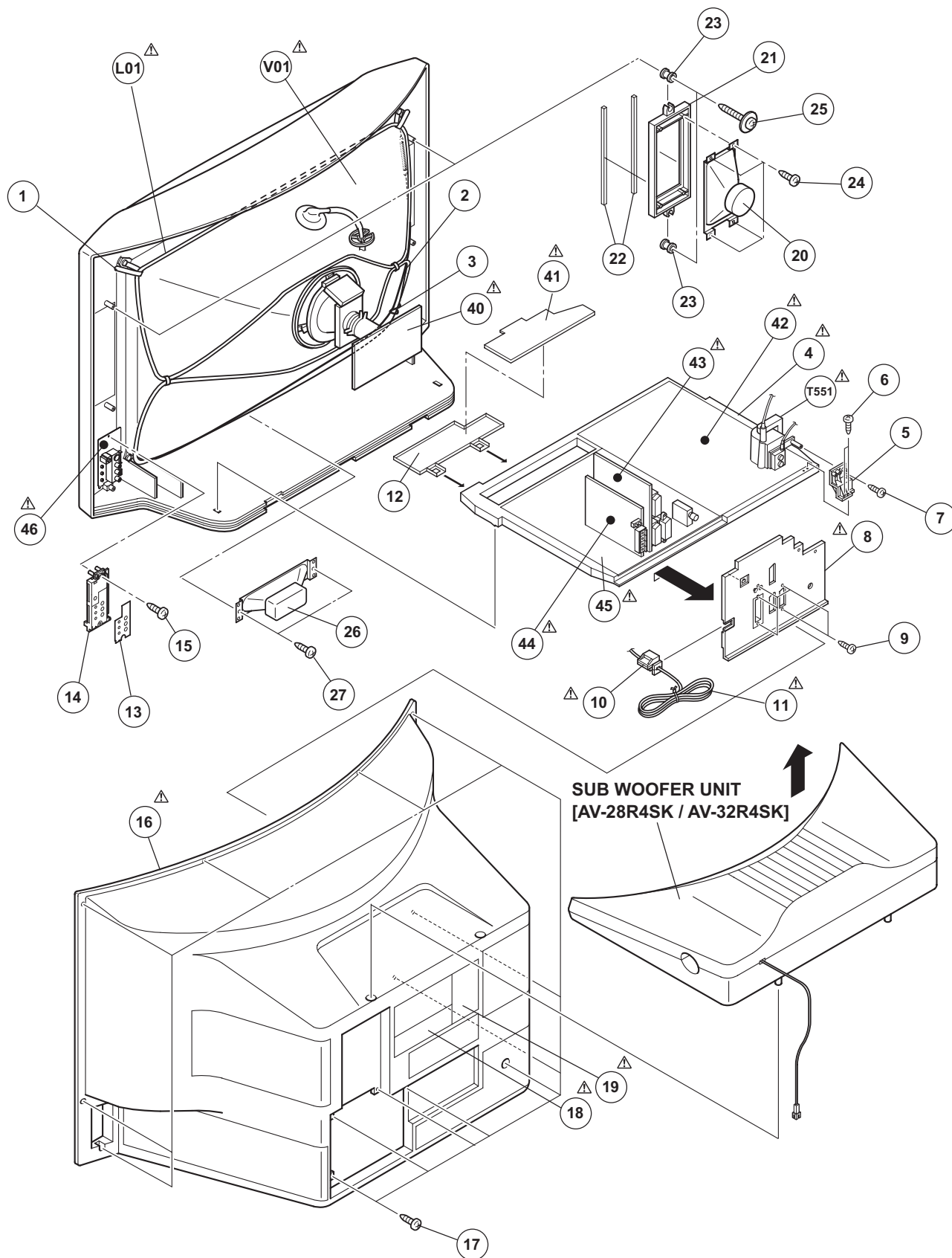
MODEL	MARK	MODEL	MARK	MODEL	MARK
AV-28R4SK	A	AV-28T4BR	E	AV-32T4SK	I
AV-28T4BK	B	AV-28T4SR	F	AV-32T4SP	J
AV-28T4SK	C	AV-28T77SK	G	AV-32T4SR	K
AV-28T4SP	D	AV-32R4SK	H	AV-32T77SK	L

## EXPLODED VIEW PARTS LIST -3

△	Ref.No.	Part No.	Part Name	Description	Local
△	V01	W66QDE993X990	ITC	Inc.DEF YOKE/PC MAGNET	A,B,C,D,E,F,G
△	V01	W76QEN691X001	ITC	Inc.DEF YOKE/PC MAGNET	H,I,J,K,L
△	L01	QQW0168-001	DEG COIL		A,B,C,D,E,F,G
△	L01	QQW0169-001	DEG COIL		H,I,J,K,L
△	T551	QQH0183-001	FB TRANSF		A,B,C,D,E,F,G
△	T551	QQH0182-001	FB TRANSF		H,I,J,K,L
	1	LC30628-002A	DEG CLAMP	(x4)	
	2	WJY0021-001A	BRAIDED ASSY		A,C,D
	2	WJY0021-001B	BRAIDED ASSY		B,E,F,G
	2	WJY0021-002A	BRAIDED ASSY		H,I,J
	2	WJY0021-002B	BRAIDED ASSY		K,L
	3	WJY0013-002A	E-BRAIDED ASSY		
△	4	LC11643-002A-U	CHASSIS BASE		A,B,C,D,E,F,G
△	4	LC11643-001A-U	CHASSIS BASE		H,I,J,K,L
	5	LC32516-001B-U	HVT HOLDER		
	6	QYSBSFG3012Z	TAP SCREW	M3 x 12mm(x2)	
	7	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm	
△	8	LC11731-002B-U	AV BOARD		A
	8	LC11731-003B-U	AV BOARD		B,E
	8	LC11731-001B-U	AV BOARD		C,D,F,G
	8	LC11782-002B-U	AV BOARD		H
	8	LC11782-001B-U	AV BOARD		I,J,K,L
	9	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x5)	A,H
	9	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x2)	B,C,D,E,F,G,I,J,K,L
△	10	LC21383-001C-U	POWER CORD CLAMP		
△	11	QMPK160-185-JC	POWER CORD(EU)	1.85m BLACK	D,J
△	11	QMPN130-185-JC	POWER CORD(EK)	1.85m BLACK	A,B,C,E,F,G,H,I,K,L
	12	LC11311-003A-U	CONTROL BASE		A,B,C,D,E,F,G
	12	LC11311-004A-U	CONTROL BASE		H,I,J,K,L
	13	LC32585-001A-C	CONTROL SHEET		
	14	LC11824-001A-U	SIDE CONT BASE		
	15	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm	
△	16	LC11282-002C-U	REAR COVER		B,E
△	16	LC11282-001D-U	REAR COVER		A,C,D,F,G
△	16	LC11316-002B-U	REAR COVER		H,I,J,K,L
	17	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
△	18	LC11364-048A-U	RATING LABEL		A
△	18	LC11364-054A-U	RATING LABEL		B
△	18	LC11364-053A-U	RATING LABEL		C
△	18	LC11857-002A-U	RATING LABEL		D
△	18	LC11364-052A-U	RATING LABEL		E
△	18	LC11364-051A-U	RATING LABEL		F
△	18	LC11364-046A-U	RATING LABEL		G
△	18	LC11364-047A-U	RATING LABEL		H
△	18	LC11364-050A-U	RATING LABEL		I
△	18	LC11857-001A-U	RATING LABEL		J
△	18	LC11364-049A-U	RATING LABEL		K
△	18	LC11364-045A-U	RATING LABEL		L
△	19	LC30789-002B-U	WARNING LABEL		D,E,J
	20	QAS0135-001	SPEAKER	SP01/SP02(x2)	
	21	LC11310-002A-U	SPEAKER ADAPTER	(x2)	
	22	AEM4111-001A-U	SPONGE	(x4)	
	23	LC40226-003A-H	SPACER	(x4)	
	24	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x8)	
	25	LC40506-001A	TAP SCREW	(x4)	
	26	QAS0110-001	SPEAKER	SP03	A,H
	27	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x2)	A,H
△	40	SJW-3002A-U2	CRT SOKET PWB		A,B,C,D,E,F,G
△	40	SJW-3001A-U2	CRT SOKET PWB		H,I,J,K,L
△	41	SJW-8001A-U2	FRONT CONTROL PWB		
△	42	SJW-2004A-U2	POWER&DEF PWB		A
△	42	SJW-2002A-U2	POWER&DEF PWB		B,C,D,E,F,G
△	42	SJW-2003A-U2	POWER&DEF PWB		H
△	42	SJW-2001A-U2	POWER&DEF PWB		I,J,K,L
△	43	SJW0J001A-U2	AV JACK PWB		
△	44	SJW0D001A-U2	DOLBY PWB		A,H
△	45	SJW-1902A-U2	MAIN PWB		A
△	45	SJW-1906A-U2	MAIN PWB		B,C
△	45	SJW-1002A-U2	MAIN PWB		D,E,F
△	45	SJW-1904A-U2	MAIN PWB		G
△	45	SJW-1901A-U2	MAIN PWB		H
△	45	SJW-1905A-U2	MAIN PWB		I
△	45	SJW-1001A-U2	MAIN PWB		J,K
△	45	SJW-1903A-U2	MAIN PWB		L
△	46	SJW-8101A-U2	SIDE CONTROL PWB		



# EXPLODED VIEW -3

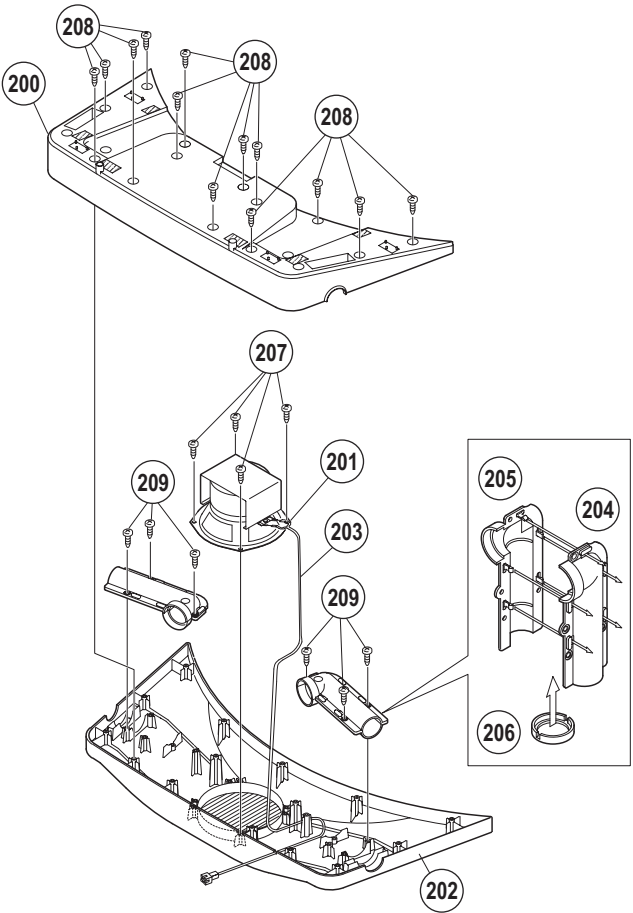




# EXPLODED VIEW PARTS LIST -4 [AV-28R4SK / AV-32R4SK]

△ Ref.No.	Part No.	Part Name	Description	Local
200	LC11309-001C-U	SP BOX B		
201	QAS0118-001	SPEAKER		
202	LC11308-001B-U	SP BOX T		
203	WJJ0340-002A	E-SI C WIRE C-C		
204	AEM2250-002A-U	BASS INT.DUCT L	(x2)	
205	AEM2250-001A-U	BASS INT.DUCT R	(x2)	
206	LC31935-001A-C	PORT SPACER	(x2)	
207	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x4)	
208	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x15)	
209	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x6)	

## EXPLODED VIEW -4 [AV-28R4SK / AV-32R4SK]





# PRINTED WIRING BOARD PARTS LIST [AV-28R4SK]

## MAIN P.W. BOARD ASS'Y (SJW-1902A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC	
IC601	AN7585	IC	
IC602	AN7585	IC	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)
IC702	AT24C16-28R4SK	IC	(SERVICE)
IC901	AN78L08-T	IC	
IC902	AN78L09-T	IC	
Q101	2SC5083/L-P/-T	TRANSISTOR	
Q201	2SC3928A/QR/-X	TRANSISTOR	
Q202	2SC3928A/QR/-X	TRANSISTOR	
Q203	2SC3928A/QR/-X	TRANSISTOR	
Q204	2SC3928A/QR/-X	TRANSISTOR	
Q205	2SC3928A/QR/-X	TRANSISTOR	
Q206	2SC3928A/QR/-X	TRANSISTOR	
Q207	DTC323TK-X	DIGI TRANSISTOR	
Q208	2SC3928A/QR/-X	TRANSISTOR	
Q209	2SC3928A/QR/-X	TRANSISTOR	
Q210	2SA1530A/QR/-X	SI TRANSISTOR	
Q211	DTC323TK-X	DIGI TRANSISTOR	
Q212	2SA1530A/QR/-X	SI TRANSISTOR	
Q213	DTC323TK-X	DIGI TRANSISTOR	
Q214	DTC323TK-X	DIGI TRANSISTOR	
Q215	KTA1267/YG/-T	TRANSISTOR	
Q217	KTC3199/YG/-T	TRANSISTOR	
Q218	UN2213-X	DIGI TRANSISTOR	
Q219	2SC3928A/QR/-X	TRANSISTOR	
Q220	2SC3928A/QR/-X	TRANSISTOR	
Q221	2SC3928A/QR/-X	TRANSISTOR	
Q301	2SA1530A/QR/-X	SI TRANSISTOR	
Q302	2SC3928A/QR/-X	TRANSISTOR	
Q605	2SC3928A/QR/-X	TRANSISTOR	
Q606	2SC3928A/QR/-X	TRANSISTOR	
Q608	2SC3928A/QR/-X	TRANSISTOR	
Q609	2SC3928A/QR/-X	TRANSISTOR	
Q610	UN2213-X	DIGI TRANSISTOR	
Q613	UN2213-X	DIGI TRANSISTOR	
Q617	2SC3928A/QR/-X	TRANSISTOR	
Q618	2SC3928A/QR/-X	TRANSISTOR	
Q620	UN2213-X	DIGI TRANSISTOR	
Q621	2SA1530A/QR/-X	SI TRANSISTOR	
Q622	2SC3928A/QR/-X	TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SC3928A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SC3928A/QR/-X	TRANSISTOR	
Q709	2SA562TM/Y/-T	TRANSISTOR	
Q710	2SA562TM/Y/-T	TRANSISTOR	
Q711	2SC3928A/QR/-X	TRANSISTOR	
Q712	2SA1530A/QR/-X	SI TRANSISTOR	
Q713	2SC2411K/QR/-X	TRANSISTOR	
D201	MA8120/M/-X	Z DIODE	
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
D204	MA8120/M/-X	Z DIODE	
D205	MA8120/M/-X	Z DIODE	
D206	MA8120/M/-X	Z DIODE	
D207	MA8120/M/-X	Z DIODE	
D208	MA8120/M/-X	Z DIODE	
D209	MA8120/M/-X	Z DIODE	
D211	MA8120/M/-X	Z DIODE	
D212	MA8120/M/-X	Z DIODE	
D301	MA111-X	SI DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D601	MA8330/L/-X	Z DIODE	
D602	MA8330/L/-X	Z DIODE	
D603	MA8330/L/-X	Z DIODE	
D604	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D605	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D611	MA8330/L/-X	Z DIODE	
D612	MA8330/L/-X	Z DIODE	
D613	MA8330/L/-X	Z DIODE	
D616	MA111-X	SI DIODE	
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D620	MA111-X	SI DIODE	
D621	MTZJ5.6B-T2	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D701	MA111-X	SI DIODE	
D702	1SS357-X	SB DIODE	
D704	MA8068/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	
D706	MA111-X	SI DIODE	
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	
D711	EC30HA03L-X	SB DIODE	
D712	1SR35-400A-T2	SI DIODE	
D713	UDZS2.0B-X	Z DIODE	
D714	UDZS2.0B-X	Z DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C601	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C602	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C603	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C604	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C605	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C606	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C607	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C608	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C609	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C610	QETM1VM-228	E CAPACITOR	2200uF 35V M
C611	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C612	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C613	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C614	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C615	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C616	QETN1HM-106Z	E CAPACITOR	10uF 50V M



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C618	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C773	NCB31AK-105X	C CAPACITOR	1uF 10V K
C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C624	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C625	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C629	QETM1EM-338	E CAPACITOR	3300uF 25V M	C782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C783	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C633	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C635	QFVF1HJ-224Z	C CAPACITOR	0.22uF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C650	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R654	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R655	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R661	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R678	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R679	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R680	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R723	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R610	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R611	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R612	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R618	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R619	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R625	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R627	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R628	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R629	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R635	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R782	NDC31HJ-470X	C CAPACITOR	47pF 50V J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R784	NDC31HJ-470X	C CAPACITOR	47pF 50V J	D523	RGP10J-04TS-T3	SI DIODE	
R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	D525	MTZJ5.1B-T2	Z DIODE	
R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	D541	RGP10J-04TS-T3	SI DIODE	
R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D551	RGP10J-04TS-T3	SI DIODE	
L101	QQL244K-100Z	PEAKING COIL	10uH K	D553	RGP10J-04TS-T3	SI DIODE	
L102	QQL244K-270Z	PEAKING COIL	27uH K	D554	RGP10J-04TS-T3	SI DIODE	
L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K	D592	MTZJ7.5B-T2	Z DIODE	
L104	QQL244K-1R5Z	COIL	1.5uH K	D593	RGP10J-04TS-T3	SI DIODE	
L701	NQR0199-004X	FERRITE BEADS		D594	MTZJ7.5S-T2	Z DIODE	
L702	NQR0199-004X	FERRITE BEADS		D901	D3SBA60	DIODE	
L703	NQR0199-004X	FERRITE BEADS		D902	RG1C-LFA1	SI DIODE	
L704	NQR0199-004X	FERRITE BEADS		D904	1SR35-400A-T2	SI DIODE	
L705	NQR0199-004X	FERRITE BEADS		D905	1SR35-400A-T2	SI DIODE	
L706	NQR0199-004X	FERRITE BEADS		D906	1SR35-400A-T2	SI DIODE	
L707	NQR0199-004X	FERRITE BEADS		D907	1SR35-400A-T2	SI DIODE	
L708	NQR0199-004X	FERRITE BEADS		D909	1N4002G-T2	SI DIODE	
L709	NQR0199-004X	FERRITE BEADS		D910	1N4002G-T2	SI DIODE	
L710	NQR0199-004X	FERRITE BEADS		D911	MTZJ18C-T2	Z DIODE	
L711	NQR0199-004X	FERRITE BEADS		D951	RU4AM-F1	SI DIODE	
L712	NQR0199-004X	FERRITE BEADS		D953	RGP10J-04TS-T3	SI DIODE	
L713	NQR0199-004X	FERRITE BEADS		D954	RGP10J-04TS-T3	SI DIODE	
L714	NQR0199-004X	FERRITE BEADS		D955	FMX-G12S	SI DIODE	
L715	NQR0199-004X	FERRITE BEADS		D956	FMX-G12S	SI DIODE	
L716	NQR0199-004X	FERRITE BEADS		D957	RGP10J-04TS-T3	SI DIODE	
L717	NQR0199-004X	FERRITE BEADS		D958	1SR35-400A-T2	SI DIODE	
L718	NQR0199-004X	FERRITE BEADS		D963	MTZJ3.9B-T2	Z DIODE	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)	D964	MTZJ33B-T2	Z DIODE	
CN002	QGB1505J1-35	CONNECTOR	B-B (1-35)	D965	MTZJ4.7B-T2	Z DIODE	
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)	D967	MTZJ5.6B-T2	Z DIODE	
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)	D981	1SS133-T2	DIODE	
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	D983	1SS133-T2	DIODE	
CN00B	QJB003-042424	SIN ID C-B WIRE		C401	QEHR1VM-227Z	E CAPACITOR	220uF 35V M
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	C402	QETM1VM-108	E CAPACITOR	1000uF 35V M
CN00K	QJK002-034023	SIN CR C-B WIRE		C405	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	C406	QCZ0337-180Z	C CAPACITOR	18pF 2kV J
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	C408	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)	C409	QDC31HJ-470Z	C CAPACITOR	47pF 50V J
CN0SC	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	C410	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
CN0SW	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	C411	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
HS601	LC32265-003A	HEAT SINK/AL-F/		C461	QEZO195-475Z	BP E CAPACITOR	4.7uF 50V M
HS602	LC32265-002A	HEAT SINK/AL-F/		C491	QETN1HM-106Z	E CAPACITOR	10uF 50V M
SF101	QAX0531-001	SAW FILTER		C502	QCB32HK-681Z	C CAPACITOR	680pF 500V K
SF102	QAX0795-001	SAW FILTER		C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
TU101	QAU0344-001	TUNER		C521	QFZ0196-302	MPP CAPACITOR	3000pF 1.5kV H
X701	QAX0799-001Z	CRYSTAL		C522	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
				C523	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J
				C524	QFM72DK-823	M CAPACITOR	0.082uF 200V K
				C526	QFZ0197-274	MPP CAPACITOR	0.27uF 250V J
				C527	QEHR2EM-475Z	E CAPACITOR	4.7uF 250V M
				C529	QFM72DK-393	M CAPACITOR	0.039uF 200V K
				C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
				C531	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
				C533	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
				C541	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
				C551	QETN2EM-106Z	E CAPACITOR	10uF 250V M
				C552	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
				C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
				C554	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
				C555	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
				C560	QETM2CM-227	E CAPACITOR	220uF 160V M
				C572	QFZ0197-124	MPP CAPACITOR	0.12uF 250V J
				C591	QETN1AM-107Z	E CAPACITOR	100uF 10V M
				C592	QETN1EM-476Z	E CAPACITOR	47uF 25V M
				C593	QETN2AM-106Z	E CAPACITOR	10uF 100V M
				C594	QETN1AM-227Z	E CAPACITOR	220uF 10V M
				△C901	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M
				△C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
				△C904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
				△C905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
				△C906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
				C907	QEZO199-227	E CAPACITOR	220uF 25V J
				C908	QCB32HK-103	C CAPACITOR	0.01uF 500V K
				C909	QCZO122-561	C CAPACITOR	560pF 2kV K
				C910	QCZO122-391	C CAPACITOR	390pF 2kV K
				C911	QCZO120-104Z	C CAPACITOR	0.1uF 25V Z
				C912	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
				C914	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
				C915	QCS31HJ-101Z	C CAPACITOR	100pF 50V J
				C916	QETN1EM-107Z	E CAPACITOR	100uF 25V M
				△C918	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
				C919	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
				C920	QDC31HJ-150Z	C CAPACITOR	15pF 50V J
				C933	QETM1VM-338	E CAPACITOR	3300uF 35V M
				C951	QCZO122-561	C CAPACITOR	560pF 2kV K
				C952	QEZO203-227	E CAPACITOR	220uF 160V M
				C953	QCB32HK-391Z	C CAPACITOR	390pF 500V K

## POWER&DEF P.W. BOARD ASS'Y (SJW-2004A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC901	ICE1QS01	IC	
IC951	SE140N	IC	
IC961	PQ120RDA1SZ	IC	
IC962	PQ050RD01SZ	IC	
IC965	BA033T	REGULATOR IC	
Q402	KTC3199/YG/-T	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q501	BSN304-T	MOS FET	
△Q521	2SC5902-RL	POW TRANSISTOR	H.OUT
Q541	KTC3199/YG/-T	TRANSISTOR	
Q571	DTC124ESA-T	DIGI TRANSISTOR	
Q572	KTC3199/YG/-T	TRANSISTOR	
Q573	RDN050N20	POWER MOS FET	
Q574	RDN050N20	POWER MOS FET	
Q591	2SA1208/ST/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	KTC3199/YG/-T	TRANSISTOR	
Q901	STP13NK60ZFP	POWER MOS FET	
Q902	KTA1267/YG/-T	TRANSISTOR	
Q931	KTC3199/YG/-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	
Q934	KTC3199/YG/-T	TRANSISTOR	
D402	1SR35-400A-T2	SI DIODE	
D491	1SS133-T2	DIODE	
D492	MTZJ22B-T2	Z DIODE	
D493	1SS133-T2	DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFT2	SI DIODE	



△Ref No.	Part No.	Part Name	Description Local
C954	QTMM1EM-228	E CAPACITOR	2200uF 25V M
C955	QCB32HK-391Z	C CAPACITOR	390pF 500V K
C956	QTMM1CM-228	E CAPACITOR	2200uF 16V M
C959	QETM1VM-338	E CAPACITOR	3300uF 35V M
C961	QETM1VM-228	E CAPACITOR	2200uF 35V M
C964	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K
C967	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C968	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z
C969	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
C970	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C974	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z
C975	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C976	QETN1EM-476Z	E CAPACITOR	47uF 25V M
△C991	QCZ9079-33Z	C CAPACITOR	3300pF AC250V M

R401	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R402	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R403	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R404	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R414	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R415	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J
R416	QRG01GJ-820	OMF RESISTOR	82Ω 1W J
R417	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R461	QRE141J-331Y	C RESISTOR	330Ω 1/4W J
R462	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
R467	QRL039J-270	OMF RESISTOR	27Ω 3W J
R492	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J
R493	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J
△R494	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R495	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R496	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R497	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
R501	QRE141J-561Y	C RESISTOR	560Ω 1/4W J
R502	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R504	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R506	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R521	QRE121J-150Y	C RESISTOR	15Ω 1/2W J
R522	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R523	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
△R524	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R525	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R541	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R542	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J
R543	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R544	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R545	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R546	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R551	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R552	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R553	QRF104K-5R6	UNF WW RESISTOR	5.6Ω 10W K
△R554	QRZ9021-4R7	FUSI RESISTOR	4.7Ω 1W J
△R555	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J
R571	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R572	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R573	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R574	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R575	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J
R576	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R577	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R591	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
R592	QRA14CF-1201Y	CMF RESISTOR	1.2kΩ 1/4W F
R593	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R594	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R595	QRA14CF-1962Y	CMF RESISTOR	19.6kΩ 1/4W F
R596	QRA14CF-2671Y	CMF RESISTOR	2.67kΩ 1/4W F
R597	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J
R902	QRE121J-331Y	C RESISTOR	330Ω 1/2W J
R903	QRF104K-3R9	UNF WW RESISTOR	3.9Ω 10W K
R904	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R905	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R907	QRL039J-823	OMF RESISTOR	82kΩ 3W J
R908	QRL039J-823	OMF RESISTOR	82kΩ 3W J
R909	QRE121J-185Y	C RESISTOR	1.8MΩ 1/2W J
R910	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J
R911	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J
R912	QRE141J-470Y	C RESISTOR	47Ω 1/4W J
R913	QRE121J-330Y	C RESISTOR	33Ω 1/2W J
R914	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J
R915	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
R916	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
R917	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R918	QRE141J-120Y	C RESISTOR	12Ω 1/4W J
R919	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J

R931	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R934	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R935	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R937	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J
R938	QRE141J-331Y	C RESISTOR	330Ω 1/4W J
△R939	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R941	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R942	QRL039J-102	OMF RESISTOR	1kΩ 3W J
R943	QRL039J-102	OMF RESISTOR	1kΩ 3W J
R944	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R952	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R964	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R967	QRL039J-223	OMF RESISTOR	22kΩ 3W J
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K

L461	QQLZ036-821	COIL	820uH K
L521	QQR1422-003	CHOKE COIL	
L522	QQR1106-002	LIN COIL	
L901	QQL402K-100	CHOKE COIL	10uH K
L902	QQL402K-100	CHOKE COIL	10uH K
△L903	QQR1200-001	CHOKE COIL	
L951	QQLZ026-460	COIL	46uH ±7%
L952	QQL26AK-820Z	CHOKE COIL	82uH K
L954	QQL26AM-5R6Z	CHOKE COIL	5.6uH M
L955	QQL26AK-220Z	CHOKE COIL	22uH K
T501	QQR1414-001	DRIVE TRANSF	
△T901	QQS0262-001	SW TRANSF	

CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN009	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00W	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN00X	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
CN0HV	CHC802T-05N-J	LV CONNECTOR	
△CP951	ICP-N50-Y	IC PROTECTOR	2.0A
△CP952	ICP-N50-Y	IC PROTECTOR	2.0A
△CP953	QMFZ049-4R0Z-E	FUSE	4A 125V
△CP954	ICP-N75-Y	IC PROTECTOR	2.7A
△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
HS001	LC32673-001A	HEAT SINK	
HS002	CM48010-002-H	HEAT SINK	
HS003	LC30416-002A	HEAT SINK/AL-F/	
HS004	CEHT11B-005QS	HEAT SINK	
HS955	CEHT11B-002QS	HEAT SINK	
HS956	CEHT11B-002QS	HEAT SINK	
HS962	CEHT11B-002QS	HEAT SINK	
HS965	CM42862-00J-H	HEAT SINK ASSY	
K401	QQR0621-002Z	FERRITE BEADS	
K503	QQR0582-001Z	FERRITE BEADS	
K504	QQR0582-001Z	FERRITE BEADS	
K901	QQR0679-001	FERRITE BEADS	
K951	QQR0872-001Y	FERRITE BEADS	
K952	QQR0621-002Z	FERRITE BEADS	
K953	QQR0621-002Z	FERRITE BEADS	
K954	QQR0621-002Z	FERRITE BEADS	
K955	QQR0621-002Z	FERRITE BEADS	
K956	QQR0621-002Z	FERRITE BEADS	
△LF902	QQR1095-001	LINE FILTER	
△PC571	PC123Y22FZ	PHOTO COUPLER	
△PC901	PC123Y22FZ	PHOTO COUPLER	
△TH901	QAD0133-9R0	P THERMISTOR	9Ω 220V/240V

## CRT SOCKET P.W. BOARD ASS'Y (SJW-3002A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC3101	TDA6107AJF/N1	IC	
Q3304	KTC3199/YG/-T	TRANSISTOR	
Q3305	KTC3199/YG/-T	TRANSISTOR	
Q3306	KTA1267/YG/-T	TRANSISTOR	
Q3309	2SA1837	POW TRANSISTOR	
Q3310	2SC4793	POW TRANSISTOR	
D3101	RGP10J-04TS-T3	SI DIODE	
D3102	RGP10J-04TS-T3	SI DIODE	
D3103	RGP10J-04TS-T3	SI DIODE	
D3111	1SR35-400A-T2	SI DIODE	
D3301	MA8150/M/-X	Z DIODE	
D3302	RH1S-T3	SI DIODE	
D3303	RH1S-T3	SI DIODE	
C3101	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K



△Ref No.	Part No.	Part Name	Description Local
C3102	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3103	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M
C3111	QETM2EM-336	E CAPACITOR	33uF 250V M
C3112	QETM2EM-106	E CAPACITOR	10uF 250V M
C3113	QCZ0131-222	C CAPACITOR	2200pF 2kV K
C3301	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3306	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3307	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3308	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3309	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3310	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3312	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3314	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3315	QCS32HJ-680Z	C CAPACITOR	68pF 500V J
C3316	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3317	QETN1AM-337Z	E CAPACITOR	330uF 10V M
R3101	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3102	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3103	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3104	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3105	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3106	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3107	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3108	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3109	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3121	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R3122	QRZ0107-102Z	C RESISTOR	1kΩ 1/2W K
R3123	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R3124	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
△R3301	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
R3303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3312	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3313	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3314	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R3315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3316	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3317	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3318	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J
R3319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3320	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3321	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3322	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
R3323	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J
R3324	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J
R3325	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3326	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
R3327	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3328	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3329	QRL029J-391	OMF RESISTOR	390Ω 2W J
L3101	QQL244J-5R6Z	COIL	5.6uH J
L3301	QQL244J-391Z	PEAKING COIL	390uH J
CN3008	QJK002-07362Z	SIN CR C-B WIRE	
CN3009	QJK002-062611	SIN CR C-B WIRE	
CN30E2	CE41507-001P	LV CONNECTOR	
CN30SC	QGZ0017C1-01Z	CONNECTOR	(1-1)
CN3VM2	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS3101	LC31150-002A	HEAT SINK/AL-F1	
HS3309	CEHP00N-001QS	HEAT SINK	
HS3310	CEHP00N-001QS	HEAT SINK	
K3301	CE41492-001Z	CHOKE COIL	
K3302	CE41492-001Z	CHOKE COIL	
K3303	CE41492-001Z	CHOKE COIL	
K3304	CE41492-001Z	CHOKE COIL	
K3305	QQR0621-002Z	FERRITE BEADS	
SG3101	QAF0056-501Z	SURGE ABSORBER	500V M
SG3102	QAF0056-501Z	SURGE ABSORBER	500V M
SG3103	QAF0056-501Z	SURGE ABSORBER	500V M
△SK3001	QNZ0536-001	CRT SOCKET	

## FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC8851	GP1UE281QK	IR DETECT UNIT	
Q8801	UN2212-X	TRANSISTOR	
Q8802	UN2212-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
D8801	LSR22440	LED	POWER
C8851	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C8852	QETN1CM-107Z	E CAPACITOR	100uF 16V M
△C8901	QFZ9072-474	MM CAPACITOR	0.47uF AC250V K
R8801	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R8802	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R8803	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R8851	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R8852	QRE121J-470Y	C RESISTOR	47Ω 1/2W J
CN800B	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN800W	CHGH0001-0H	CONNECTOR ASSY	
CN80PW	QAGB801C1-02	CONNECTOR	W-B (1-2)
△F8901	QMF51D2-3R15-J1	FUSE	3.15A AC250V
△LF8901	QQR1095-001	LINE FILTER	
△S8901	QSW0824-001	PUSH SWITCH	POWER

## SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

△Ref No.	Part No.	Part Name	Description Local
C8101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C8102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C8103	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C8104	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C8131	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C8132	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C8133	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R8101	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R8102	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R8111	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R8112	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R8113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R8114	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R8133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
L8111	QQL244K-5R6Z	PEAKING COIL	5.6uH K
L8112	QQL244K-5R6Z	PEAKING COIL	5.6uH K
L8131	QQL244K-270Z	PEAKING COIL	27uH K
L8132	QQL244K-270Z	PEAKING COIL	27uH K
CN810F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN810K	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN810S	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
J8111	QMS3001-C01	3.5 JACK	HEADPHONE
J8131	QNN0591-001	PIN JACK	EXT-4
K8111	NQR0389-003X	FERRITE BEADS	
K8131	NQR0389-003X	FERRITE BEADS	
S8101	QSW0619-003Z	TACT SWITCH	VOL UP
S8102	QSW0619-003Z	TACT SWITCH	MENU
S8103	QSW0619-003Z	TACT SWITCH	VOL DOWN

## DOLBY P.W. BOARD ASS'Y (SJW0D001A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC101	AK4527BVQP	IC	
IC102	NJU26106FR1	IC	
IC103	UMX1N-W	PAIR TRANSISTOR	
IC104	MM1612FN-X	IC	
IC201	RC4558D-X	IC	
IC202	RC4558D-X	IC	
IC203	RC4558D-X	IC	
IC301	LM324D-X	IC	
IC302	RC4558D-X	IC	
IC303	NJW1151M-X	IC	
IC304	CD4052BNS-X	IC	
IC501	LM324D-X	IC	
Q101	2SK1830-X	MOS FET	
Q102	2SK1830-X	MOS FET	
Q301	UN2212-X	TRANSISTOR	
Q501	2SA1530A/QR/-X	SI TRANSISTOR	
Q502	DTC323TK-X	DIGI TRANSISTOR	
Q503	DTC323TK-X	DIGI TRANSISTOR	



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
D201	MA8062/M-X	Z DIODE		C325	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D301	MA8062/M-X	Z DIODE		C326	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D501	MA8150/M-X	Z DIODE		C327	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D502	MA8150/M-X	Z DIODE		C328	NCB21CK-684X	C CAPACITOR	0.68uF 16V K
D503	MA8062/M-X	Z DIODE		C329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C330	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C331	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C102	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C332	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C334	NCB21CK-684X	C CAPACITOR	0.68uF 16V K
C105	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C335	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C336	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C107	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C337	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C338	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C339	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C340	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C501	NCB31AK-105X	C CAPACITOR	1uF 10V K
C112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C502	NCB31AK-105X	C CAPACITOR	1uF 10V K
C113	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C503	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C114	NDC31HJ-120X	C CAPACITOR	12pF 50V J	C504	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C115	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C505	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C506	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C118	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C507	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C120	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C508	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C121	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	C509	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C510	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C123	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C511	NCB31AK-105X	C CAPACITOR	1uF 10V K
C124	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C512	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C125	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C513	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C126	QETN1CM-107Z	E CAPACITOR	100uF 16V M				
C127	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C128	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R102	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C129	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R103	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C130	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C131	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C132	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R106	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C133	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R107	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C134	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R108	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C202	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R110	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C203	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R111	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R112	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C207	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C208	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	R114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C209	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	R115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C210	NCB31HK-182X	C CAPACITOR	1800pF 50V K	R116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C213	NCB30JK-474X	C CAPACITOR	0.47uF 6.3V K	R118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C214	NCB31HK-182X	C CAPACITOR	1800pF 50V K	R119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C215	NCB31HK-392X	C CAPACITOR	3900pF 50V K	R120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C216	NCB31HK-392X	C CAPACITOR	3900pF 50V K	R121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C218	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C220	NCB31HK-392X	C CAPACITOR	3900pF 50V K	R124	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C221	NCB31HK-392X	C CAPACITOR	3900pF 50V K	R125	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C223	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C224	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C225	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C226	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	R129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C228	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R131	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R132	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C230	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C301	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R202	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C303	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R203	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C305	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R205	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C306	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R206	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C307	NCB31AK-105X	C CAPACITOR	1uF 10V K	R207	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C308	NCB31AK-105X	C CAPACITOR	1uF 10V K	R208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C309	NCB31AK-105X	C CAPACITOR	1uF 10V K	R209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C310	NCB31AK-105X	C CAPACITOR	1uF 10V K	R210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C311	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C312	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C313	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C314	NCB31AK-105X	C CAPACITOR	1uF 10V K	R215	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C315	NCB31AK-105X	C CAPACITOR	1uF 10V K	R216	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C316	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R217	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R219	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C319	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C320	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R221	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C321	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R222	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C322	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R301	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C323	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C324	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R303	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J



△Ref No.	Part No.	Part Name	Description Local
R304	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R305	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R306	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R311	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R314	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R315	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R319	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R320	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R322	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R324	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R327	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R328	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R331	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R332	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R336	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R337	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R338	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R339	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R501	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R502	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R504	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R505	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R508	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R511	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R514	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R515	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R518	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R519	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R524	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
L101	NQL092K-2R2X	P COIL	2.2uH K
L102	NQL085J-4R7X	COIL	4.7uH J
L103	NQL085J-4R7X	COIL	4.7uH J
L104	NQL085J-4R7X	COIL	4.7uH J
L501	NQL382M-100X	COIL	10uH M
L502	NQL382M-100X	COIL	10uH M
CN002	QGB1505K1-35	CONNECTOR	B-B (1-35)
J001	QNN0090-001	PIN JACK	L/R OUT
J002	QNB0006-002	PUSH TERMINAL	SP OUT
LC101	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
LC102	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
LC103	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%
X101	NAX0659-001X	CRYSTAL	

## AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

△Ref No.	Part No.	Part Name	Description Local
D0101	MA8056/M/-X	Z DIODE	
D0102	MA8056/M/-X	Z DIODE	
D0103	MA8056/M/-X	Z DIODE	
D0104	MA8056/M/-X	Z DIODE	
D0115	MA8056/M/-X	Z DIODE	
D0116	MA8056/M/-X	Z DIODE	
D0117	MA8056/M/-X	Z DIODE	
D0118	MA8056/M/-X	Z DIODE	
D0119	MA8056/M/-X	Z DIODE	
C0101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0102	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0104	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0105	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0106	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C0107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0108	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C0109	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0111	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0112	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0113	QETN1HM-106Z	E CAPACITOR	10uF 50V M
R0101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0110	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0111	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0112	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
CN0001	QGB1505K1-35	CONNECTOR	B-B (1-35)
J0001	QNZ0465-001	21P CONNECTOR	EXT-2/EXT-3
J0002	QNZ0463-001	21P CONNECTOR	EXT-1
K0101	NQR0389-003X	FERRITE BEADS	
K0102	NQR0389-003X	FERRITE BEADS	
K0103	NQR0389-003X	FERRITE BEADS	



# PRINTED WIRING BOARD PARTS LIST [AV-28T4BK / AV-28T4SK]

## MAIN P.W. BOARD ASS'Y (SJW-1906A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC	
IC602	AN5277	IC	
IC604	TC7W74F-X	IC	
IC605	TC7W74F-X	IC	
IC606	UDA1334BT-X	Z DIODE	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)
IC702	AT24C16-28T4SP	IC	(SERVICE)
IC901	AN78L08-T	IC	
IC902	AN78L09-T	IC	
Q101	2SC5083/L-P-T	TRANSISTOR	
Q201	2SC3928A/QR/-X	TRANSISTOR	
Q202	2SC3928A/QR/-X	TRANSISTOR	
Q203	2SC3928A/QR/-X	TRANSISTOR	
Q204	2SC3928A/QR/-X	TRANSISTOR	
Q205	2SC3928A/QR/-X	TRANSISTOR	
Q206	2SC3928A/QR/-X	TRANSISTOR	
Q207	DTC323TK-X	DIGI TRANSISTOR	
Q208	2SC3928A/QR/-X	TRANSISTOR	
Q209	2SC3928A/QR/-X	TRANSISTOR	
Q210	2SA1530A/QR/-X	SI TRANSISTOR	
Q211	DTC323TK-X	DIGI TRANSISTOR	
Q212	2SA1530A/QR/-X	SI TRANSISTOR	
Q213	DTC323TK-X	DIGI TRANSISTOR	
Q214	DTC323TK-X	DIGI TRANSISTOR	
Q215	KTA1267/YG/-T	TRANSISTOR	
Q217	KTC3199/YG/-T	TRANSISTOR	
Q218	UN2213-X	DIGI TRANSISTOR	
Q219	2SC3928A/QR/-X	TRANSISTOR	
Q220	2SC3928A/QR/-X	TRANSISTOR	
Q221	2SC3928A/QR/-X	TRANSISTOR	
Q301	2SA1530A/QR/-X	SI TRANSISTOR	
Q302	2SC3928A/QR/-X	TRANSISTOR	
Q617	2SC3928A/QR/-X	TRANSISTOR	
Q618	2SC3928A/QR/-X	TRANSISTOR	
Q620	UN2213-X	DIGI TRANSISTOR	
Q621	2SA1530A/QR/-X	SI TRANSISTOR	
Q622	2SC3928A/QR/-X	TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SC3928A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SC3928A/QR/-X	TRANSISTOR	
Q709	2SA562TM/Y/-T	TRANSISTOR	
Q710	2SA562TM/Y/-T	TRANSISTOR	
Q711	2SC3928A/QR/-X	TRANSISTOR	
Q712	2SA1530A/QR/-X	SI TRANSISTOR	
Q713	2SC2411K/QR/-X	TRANSISTOR	
D201	MA8120/M/-X	Z DIODE	
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
D204	MA8120/M/-X	Z DIODE	
D205	MA8120/M/-X	Z DIODE	
D206	MA8120/M/-X	Z DIODE	
D207	MA8120/M/-X	Z DIODE	
D208	MA8120/M/-X	Z DIODE	
D209	MA8120/M/-X	Z DIODE	
D211	MA8120/M/-X	Z DIODE	
D212	MA8120/M/-X	Z DIODE	
D301	MA111-X	SI DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D611	MA8330/L/-X	Z DIODE	
D613	MA8330/L/-X	Z DIODE	
D616	MA111-X	SI DIODE	
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D618	MA8033-X	Z DIODE	
D621	MTZJ5.6B-T2	Z DIODE	
D701	MA111-X	SI DIODE	
D702	1SS357-X	SB DIODE	
D704	MA8068/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	
D706	MA111-X	SI DIODE	
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	
D711	EC30HA03L-X	SB DIODE	
D712	1SR35-400A-T2	SI DIODE	
D713	UDZS2.0B-X	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D714	UDZS2.0B-X	Z DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M
C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K				
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C773	NCB31AK-105X	C CAPACITOR	1uF 10V K	R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C782	NCB31AK-105X	C CAPACITOR	1uF 10V K	R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C783	NCB31AK-105X	C CAPACITOR	1uF 10V K	R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L101	QQL244K-100Z	PEAKING COIL	10uH K
R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L102	QQL244K-270Z	PEAKING COIL	27uH K
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L104	QQL244K-1R5Z	COIL	1.5uH K
R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L601	NQR0199-004X	FERRITE BEADS	
R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L602	NQR0199-004X	FERRITE BEADS	
R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	NQR0199-004X	FERRITE BEADS	
R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L702	NQR0199-004X	FERRITE BEADS	
R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	L703	NQR0199-004X	FERRITE BEADS	
R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L704	NQR0199-004X	FERRITE BEADS	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L705	NQR0199-004X	FERRITE BEADS	
R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L706	NQR0199-004X	FERRITE BEADS	
R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L707	NQR0199-004X	FERRITE BEADS	
R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L708	NQR0199-004X	FERRITE BEADS	
R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	L709	NQR0199-004X	FERRITE BEADS	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L710	NQR0199-004X	FERRITE BEADS	
R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L711	NQR0199-004X	FERRITE BEADS	
R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L712	NQR0199-004X	FERRITE BEADS	
R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L713	NQR0199-004X	FERRITE BEADS	
R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L714	NQR0199-004X	FERRITE BEADS	
R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L715	NQR0199-004X	FERRITE BEADS	
R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	L716	NQR0199-004X	FERRITE BEADS	
R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	L717	NQR0199-004X	FERRITE BEADS	
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L718	NQR0199-004X	FERRITE BEADS	
R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				



△Ref No.	Part No.	Part Name	Description Local
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034023	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
HS602	LC32265-001A	HEAT SINK/AL-F/	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0795-001	SAW FILTER	
TU101	QAU0344-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

## POWER&DEF P.W. BOARD ASS'Y (SJW-2002A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC901	ICE1QS01	IC	
IC951	SE140N	IC	
IC961	PQ120RDA1SZ	IC	
IC962	PQ050RD01SZ	IC	
IC965	BA033T	REGULATOR IC	
Q402	KTC3199/YG/-T	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q501	BSN304-T	MOS FET	
△Q521	2SC5902-RL	POW TRANSISTOR	H.OUT
Q541	KTC3199/YG/-T	TRANSISTOR	
Q571	DTC124ESA-T	DIGI TRANSISTOR	
Q572	KTC3199/YG/-T	TRANSISTOR	
Q573	RDN050N20	POWER MOS FET	
Q574	RDN050N20	POWER MOS FET	
Q591	2SA1208/ST/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	KTC3199/YG/-T	TRANSISTOR	
Q901	STP13NK60ZFP	POWER MOS FET	
Q902	KTA1267/YG/-T	TRANSISTOR	
Q931	KTC3199/YG/-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	
Q934	KTC3199/YG/-T	TRANSISTOR	
D402	1SR35-400A-T2	SI DIODE	
D491	1SS133-T2	DIODE	
D492	MTZJ22B-T2	Z DIODE	
D493	1SS133-T2	DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFT2	SI DIODE	
D523	RGP10J-04TS-T3	SI DIODE	
D525	MTZJ5.1B-T2	Z DIODE	
D541	RGP10J-04TS-T3	SI DIODE	
D551	RGP10J-04TS-T3	SI DIODE	
D553	RGP10J-04TS-T3	SI DIODE	
D554	RGP10J-04TS-T3	SI DIODE	
D592	MTZJ7.5B-T2	Z DIODE	
D593	RGP10J-04TS-T3	SI DIODE	
D594	MTZJ7.5S-T2	Z DIODE	
D901	D3SBA60	DIODE	
D902	RG1C-LFA1	SI DIODE	
D904	1SR35-400A-T2	SI DIODE	
D905	1SR35-400A-T2	SI DIODE	
D906	1SR35-400A-T2	SI DIODE	
D907	1SR35-400A-T2	SI DIODE	
D909	1N4002G-T2	SI DIODE	
D910	1N4002G-T2	SI DIODE	
D911	MTZJ18C-T2	Z DIODE	
D951	RU4AM-F1	SI DIODE	
D953	RGP10J-04TS-T3	SI DIODE	
D954	RGP10J-04TS-T3	SI DIODE	
D955	FMX-G12S	SI DIODE	
D957	RGP10J-04TS-T3	SI DIODE	
D958	1SR35-400A-T2	SI DIODE	
D963	MTZJ3.9B-T2	Z DIODE	
D964	MTZJ33B-T2	Z DIODE	
D965	MTZJ4.7B-T2	Z DIODE	
D967	MTZJ5.6B-T2	Z DIODE	
D981	1SS133-T2	DIODE	
D983	1SS133-T2	DIODE	
C401	QEHR1VM-227Z	E CAPACITOR	220uF 35V M
C402	QETM1VM-108	E CAPACITOR	1000uF 35V M
C405	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C406	QCZ0337-180Z	C CAPACITOR	18pF 2kV J

△Ref No.	Part No.	Part Name	Description Local
C408	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C409	QDC31HJ-470Z	C CAPACITOR	47pF 50V J
C410	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C411	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C461	QEZO195-475Z	BP E CAPACITOR	4.7uF 50V M
C491	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C502	QCB32HK-681Z	C CAPACITOR	680pF 500V K
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
C521	QFZ0196-302	MPP CAPACITOR	3000pF 1.5kV H
C522	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C523	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J
C524	QFM72DK-823	M CAPACITOR	0.082uF 200V K
C526	QFZ0197-274	MPP CAPACITOR	0.27uF 250V J
C527	QEHR2EM-475Z	E CAPACITOR	4.7uF 250V M
C529	QFM72DK-393	M CAPACITOR	0.039uF 200V K
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C533	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
C541	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C551	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C552	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C555	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
C560	QETM2CM-227	E CAPACITOR	220uF 160V M
C572	QFZ0197-124	MPP CAPACITOR	0.12uF 250V J
C591	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C592	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C593	QETN2AM-106Z	E CAPACITOR	10uF 100V M
C594	QETN1AM-227Z	E CAPACITOR	220uF 10V M
△C901	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M
△C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
△C904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
△C905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
△C906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
C907	QEZO199-227	E CAPACITOR	220uF 25V J
C908	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C909	QCC0122-561	C CAPACITOR	560pF 2kV K
C910	QCZO122-391	C CAPACITOR	390pF 2kV K
C911	QCZO120-104Z	C CAPACITOR	0.1uF 25V Z
C912	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C914	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C915	QCS31HJ-101Z	C CAPACITOR	100pF 50V J
C916	QETN1EM-107Z	E CAPACITOR	100uF 25V M
△C918	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C919	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C920	QDC31HJ-150Z	C CAPACITOR	15pF 50V J
C933	QETM1VM-338	E CAPACITOR	3300uF 35V M
C951	QCZO122-561	C CAPACITOR	560pF 2kV K
C952	QEZO203-227	E CAPACITOR	220uF 160V M
C953	QCB32HK-391Z	C CAPACITOR	390pF 500V K
C954	QTM1EM-228	E CAPACITOR	2200uF 25V M
C955	QCB32HK-391Z	C CAPACITOR	390pF 500V K
C956	QTM1CM-228	E CAPACITOR	2200uF 16V M
C959	QETM1VM-338	E CAPACITOR	3300uF 35V M
C964	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K
C967	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C968	QCZO120-104Z	C CAPACITOR	0.1uF 25V Z
C969	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
C970	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C974	QCZO120-104Z	C CAPACITOR	0.1uF 25V Z
C975	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C976	QETN1EM-476Z	E CAPACITOR	47uF 25V M
△C991	QCZ9079-332	C CAPACITOR	3300pF AC250V M
R401	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R402	QRE141J-101Y	C RESISTOR	100Ω 1/4W J
R403	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R404	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R414	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R415	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J
R416	QRG01GJ-820	OMF RESISTOR	82Ω 1W J
R417	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R461	QRE141J-331Y	C RESISTOR	330Ω 1/4W J
R462	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
R467	QRL039J-270	OMF RESISTOR	27Ω 3W J
R492	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J
R493	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J
△R494	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R495	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R496	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R497	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J
R501	QRE141J-561Y	C RESISTOR	560Ω 1/4W J
R502	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J



△Ref No.	Part No.	Part Name	Description Local
R504	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R506	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R521	QRE121J-150Y	C RESISTOR	15Ω 1/2W J
R522	QRL039J-103	OMF RESISTOR	10kΩ 3W J
R523	QRE121J-471Y	C RESISTOR	470Ω 1/2W J
△R524	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R525	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R541	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R542	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J
R543	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R544	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R545	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R546	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R551	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R552	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R553	QRF104K-5R6	UNF WW RESISTOR	5.6Ω 10W K
△R554	QRZ9021-4R7	FUSI RESISTOR	4.7Ω 1W J
△R555	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J
R571	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R572	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R573	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R574	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R575	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J
R576	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R577	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R591	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
R592	QRA14CF-1201Y	CMF RESISTOR	1.2kΩ 1/4W F
R593	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
R594	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R595	QRA14CF-1962Y	CMF RESISTOR	19.6kΩ 1/4W F
R596	QRA14CF-2671Y	CMF RESISTOR	2.67kΩ 1/4W F
R597	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J
R902	QRE121J-331Y	C RESISTOR	330Ω 1/2W J
R903	QRF104K-3R9	UNF WW RESISTOR	3.9Ω 10W K
R904	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R905	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R907	QRL039J-823	OMF RESISTOR	82kΩ 3W J
R908	QRL039J-823	OMF RESISTOR	82kΩ 3W J
R909	QRE121J-185Y	C RESISTOR	1.8MΩ 1/2W J
R910	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J
R911	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J
R912	QRE141J-470Y	C RESISTOR	47Ω 1/4W J
R913	QRE121J-330Y	C RESISTOR	33Ω 1/2W J
R914	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J
R915	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
R916	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
R917	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R918	QRE141J-120Y	C RESISTOR	12Ω 1/4W J
R919	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J
R931	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
R934	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R935	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R937	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J
R938	QRE141J-331Y	C RESISTOR	330Ω 1/4W J
△R939	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R941	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R942	QRL039J-102	OMF RESISTOR	1kΩ 3W J
R943	QRL039J-102	OMF RESISTOR	1kΩ 3W J
R944	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R952	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
R964	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R967	QRL039J-223	OMF RESISTOR	22kΩ 3W J
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
L461	QQLZ036-821	COIL	820uH K
L521	QQR1422-003	CHOKE COIL	
L522	QQR1106-002	LIN COIL	
L901	QQL402K-100	CHOKE COIL	10uH K
L902	QQL402K-100	CHOKE COIL	10uH K
△L903	QQR1200-001	CHOKE COIL	
L951	QQLZ026-460	COIL	46uH ±7%
L952	QQL26AK-820Z	CHOKE COIL	82uH K
L954	QQL26AM-5R6Z	CHOKE COIL	5.6uH M
L955	QQL26AK-220Z	CHOKE COIL	22uH K
T501	QQR1414-001	DRIVE TRANSF	
△T901	QQS0262-001	SW TRANSF	
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN009	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00W	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN00X	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
CN0HV	CHC802T-05N-J	LV CONNECTOR	
△CP951	ICP-N50-Y	IC PROTECTOR	2.0A
△CP952	ICP-N50-Y	IC PROTECTOR	2.0A
△CP953	QMFZ049-4R0Z-E	FUSE	4A 125V

△Ref No.	Part No.	Part Name	Description Local
△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
HS001	LC32673-001A	HEAT SINK	
HS002	CM48010-002-H	HEAT SINK	
HS003	LC30416-002A	HEAT SINK/AL-F/	
HS004	CEHT11B-005QS	HEAT SINK	
HS955	CEHT11B-002QS	HEAT SINK	
HS962	CEHT11B-002QS	HEAT SINK	
HS965	CM42862-00J-H	HEAT SINK ASSY	
K401	QQR0621-002Z	FERRITE BEADS	
K503	QQR0582-001Z	FERRITE BEADS	
K504	QQR0582-001Z	FERRITE BEADS	
K901	QQR0679-001	FERRITE BEADS	
K951	QQR0872-001Y	FERRITE BEADS	
K952	QQR0621-002Z	FERRITE BEADS	
K953	QQR0621-002Z	FERRITE BEADS	
K954	QQR0621-002Z	FERRITE BEADS	
K956	QQR0621-002Z	FERRITE BEADS	
△LF902	QQR1095-001	LINE FILTER	
△PC571	PC123Y22FZ	PHOTO COUPLER	
△PC901	PC123Y22FZ	PHOTO COUPLER	
△TH901	QAD0133-9R0	P THERMISTOR	9Ω 220V/240V

## CRT SOCKET P.W. BOARD ASS'Y (SJW-3002A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST

## [AV-28T4SP / AV-28T4BR / AV-28T4SR]

### MAIN P.W. BOARD ASS'Y (SJW-1002A-U2)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
IC201	CXA2089Q-X	IC			D707	MA111-X	SI DIODE		
IC602	AN5277	IC			D708	MA111-X	SI DIODE		
IC604	TC7W74F-X	IC			D711	EC30HA03L-X	SB DIODE		
IC605	TC7W74F-X	IC			D712	1SR35-400A-T2	SI DIODE		
IC606	UDA1334BT-X	Z DIODE			D713	UDZS2.0B-X	Z DIODE		
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)		D714	UDZS2.0B-X	Z DIODE		
IC702	AT24C16-28T4SP	IC	(SERVICE)		D981	MA111-X	SI DIODE		
IC901	AN78L08-T	IC			D982	MA111-X	SI DIODE		
IC902	AN78L09-T	IC							
Q101	2SC5083/L-P/-T	TRANSISTOR			C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q102	UN2212-X	TRANSISTOR			C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q201	2SC3928A/QR/-X	TRANSISTOR			C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q202	2SC3928A/QR/-X	TRANSISTOR			C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
Q203	2SC3928A/QR/-X	TRANSISTOR			C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q204	2SC3928A/QR/-X	TRANSISTOR			C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
Q205	2SC3928A/QR/-X	TRANSISTOR			C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q206	2SC3928A/QR/-X	TRANSISTOR			C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q207	DTC323TK-X	DIGI TRANSISTOR			C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q208	2SC3928A/QR/-X	TRANSISTOR			C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q209	2SC3928A/QR/-X	TRANSISTOR			C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q210	2SA1530A/QR/-X	SI TRANSISTOR			C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q211	DTC323TK-X	DIGI TRANSISTOR			C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
Q212	2SA1530A/QR/-X	SI TRANSISTOR			C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q213	DTC323TK-X	DIGI TRANSISTOR			C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q214	DTC323TK-X	DIGI TRANSISTOR			C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q215	KTA1267/YG/-T	TRANSISTOR			C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q217	KTC3199/YG/-T	TRANSISTOR			C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
Q218	UN2213-X	DIGI TRANSISTOR			C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q219	2SC3928A/QR/-X	TRANSISTOR			C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q220	2SC3928A/QR/-X	TRANSISTOR			C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
Q221	2SC3928A/QR/-X	TRANSISTOR			C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
Q301	2SA1530A/QR/-X	SI TRANSISTOR			C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q302	2SC3928A/QR/-X	TRANSISTOR			C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
Q617	2SC3928A/QR/-X	TRANSISTOR			C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q618	2SC3928A/QR/-X	TRANSISTOR			C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
Q620	UN2213-X	DIGI TRANSISTOR			C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
Q621	2SA1530A/QR/-X	SI TRANSISTOR			C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
Q622	2SC3928A/QR/-X	TRANSISTOR			C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q702	2SC3928A/QR/-X	TRANSISTOR			C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q703	2SC3928A/QR/-X	TRANSISTOR			C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q704	2SC3928A/QR/-X	TRANSISTOR			C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q707	2SC3928A/QR/-X	TRANSISTOR			C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q708	2SC3928A/QR/-X	TRANSISTOR			C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q709	2SA562TM/Y/-T	TRANSISTOR			C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q710	2SA562TM/Y/-T	TRANSISTOR			C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q711	2SC3928A/QR/-X	TRANSISTOR			C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q712	2SA1530A/QR/-X	SI TRANSISTOR			C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
Q713	2SC2411K/QR/-X	TRANSISTOR			C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
D101	1SS356-X	SI DIODE			C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D201	MA8120/M/-X	Z DIODE			C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K		C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D204	MA8120/M/-X	Z DIODE			C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D205	MA8120/M/-X	Z DIODE			C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
D206	MA8120/M/-X	Z DIODE			C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
D207	MA8120/M/-X	Z DIODE			C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
D208	MA8120/M/-X	Z DIODE			C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
D209	MA8120/M/-X	Z DIODE			C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D211	MA8120/M/-X	Z DIODE			C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D212	MA8120/M/-X	Z DIODE			C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D301	MA111-X	SI DIODE			C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D302	MA111-X	SI DIODE			C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
D303	MA111-X	SI DIODE			C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D304	MA111-X	SI DIODE			C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D607	MA111-X	SI DIODE			C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
D608	MA111-X	SI DIODE			C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
D609	MA111-X	SI DIODE			C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
D611	MA8330/L/-X	Z DIODE			C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
D613	MA8330/L/-X	Z DIODE			C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	
D616	MA111-X	SI DIODE			C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
D618	MA8033-X	Z DIODE			C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
D621	MTZJ5.6B-T2	Z DIODE			C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
D701	MA111-X	SI DIODE			C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
D702	1SS357-X	SB DIODE			C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
D704	MA8068/M/-X	Z DIODE			C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D705	MA111-X	SI DIODE			C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
D706	MA111-X	SI DIODE			C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
					C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
					C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M	



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C782	NCB31AK-105X	C CAPACITOR	1uF 10V K
C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C783	NCB31AK-105X	C CAPACITOR	1uF 10V K
C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K				
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C773	NCB31AK-105X	C CAPACITOR	1uF 10V K	R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L101	QQL244K-100Z	PEAKING COIL	10uH K
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L102	QQL244K-270Z	PEAKING COIL	27uH K
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L104	QQL244K-1R5Z	COIL	1.5uH K
R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L601	NQR0199-004X	FERRITE BEADS	
R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L602	NQR0199-004X	FERRITE BEADS	
R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	NQR0199-004X	FERRITE BEADS	
R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	L702	NQR0199-004X	FERRITE BEADS	
R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L703	NQR0199-004X	FERRITE BEADS	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L704	NQR0199-004X	FERRITE BEADS	
R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L705	NQR0199-004X	FERRITE BEADS	
R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L706	NQR0199-004X	FERRITE BEADS	
R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L707	NQR0199-004X	FERRITE BEADS	
R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	L708	NQR0199-004X	FERRITE BEADS	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L709	NQR0199-004X	FERRITE BEADS	
R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L710	NQR0199-004X	FERRITE BEADS	
R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				



△Ref No.	Part No.	Part Name	Description Local
L711	NQR0199-004X	FERRITE BEADS	
L712	NQR0199-004X	FERRITE BEADS	
L713	NQR0199-004X	FERRITE BEADS	
L714	NQR0199-004X	FERRITE BEADS	
L715	NQR0199-004X	FERRITE BEADS	
L716	NQR0199-004X	FERRITE BEADS	
L717	NQR0199-004X	FERRITE BEADS	
L718	NQR0199-004X	FERRITE BEADS	
CF101	QAX0619-001	C TRAP	40.40MHz
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034023	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
HS602	LC32265-001A	HEAT SINK/AL-F/	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0621-001	SAW FILTER	
TU101	QAU0345-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

### POWER&DEF P.W. BOARD ASS'Y (SJW-2002A-U2)

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

### CRT SOCKET P.W. BOARD ASS'Y (SJW-3002A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

### FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

### SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

### AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST [AV-28T77SK]

## MAIN P.W. BOARD ASS'Y (SJW-1904A-U2)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC		D714	UDZS2.0B-X	Z DIODE	
IC602	AN5277	IC		D981	MA111-X	SI DIODE	
IC604	TC7W74F-X	IC		D982	MA111-X	SI DIODE	
IC605	TC7W74F-X	IC		C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC606	UDA1334BT-X	Z DIODE		C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)	C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC702	AT24C16-28T4SP	IC	(SERVICE)	C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
IC901	AN78L08-T	IC		C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
IC902	AN78L09-T	IC		C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
Q101	2SC5083/L-P/-T	TRANSISTOR		C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q201	2SC3928A/QR/-X	TRANSISTOR		C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q202	2SC3928A/QR/-X	TRANSISTOR		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q203	2SC3928A/QR/-X	TRANSISTOR		C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q204	2SC3928A/QR/-X	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q205	2SC3928A/QR/-X	TRANSISTOR		C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q206	2SC3928A/QR/-X	TRANSISTOR		C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q207	DTC323TK-X	DIGI TRANSISTOR		C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q208	2SC3928A/QR/-X	TRANSISTOR		C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q209	2SC3928A/QR/-X	TRANSISTOR		C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q210	2SA1530A/QR/-X	SI TRANSISTOR		C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q211	DTC323TK-X	DIGI TRANSISTOR		C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q212	2SA1530A/QR/-X	SI TRANSISTOR		C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q213	DTC323TK-X	DIGI TRANSISTOR		C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q214	DTC323TK-X	DIGI TRANSISTOR		C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q215	KTA1267/YG/-T	TRANSISTOR		C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q217	KTC3199/YG/-T	TRANSISTOR		C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q218	UN2213-X	DIGI TRANSISTOR		C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q219	2SC3928A/QR/-X	TRANSISTOR		C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q220	2SC3928A/QR/-X	TRANSISTOR		C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q221	2SC3928A/QR/-X	TRANSISTOR		C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q301	2SA1530A/QR/-X	SI TRANSISTOR		C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q302	2SC3928A/QR/-X	TRANSISTOR		C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q617	2SC3928A/QR/-X	TRANSISTOR		C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q618	2SC3928A/QR/-X	TRANSISTOR		C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q620	UN2213-X	DIGI TRANSISTOR		C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q621	2SA1530A/QR/-X	SI TRANSISTOR		C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q622	2SC3928A/QR/-X	TRANSISTOR		C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q703	2SC3928A/QR/-X	TRANSISTOR		C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q704	2SC3928A/QR/-X	TRANSISTOR		C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q707	2SC3928A/QR/-X	TRANSISTOR		C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q708	2SC3928A/QR/-X	TRANSISTOR		C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q709	2SA562TM/Y/-T	TRANSISTOR		C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q710	2SA562TM/Y/-T	TRANSISTOR		C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q711	2SC3928A/QR/-X	TRANSISTOR		C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q712	2SA1530A/QR/-X	SI TRANSISTOR		C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q713	2SC2411K/QR/-X	TRANSISTOR		C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
D201	MA8120/M/-X	Z DIODE		C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D204	MA8120/M/-X	Z DIODE		C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D205	MA8120/M/-X	Z DIODE		C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D206	MA8120/M/-X	Z DIODE		C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D207	MA8120/M/-X	Z DIODE		C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D208	MA8120/M/-X	Z DIODE		C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
D209	MA8120/M/-X	Z DIODE		C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D211	MA8120/M/-X	Z DIODE		C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D212	MA8120/M/-X	Z DIODE		C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
D301	MA111-X	SI DIODE		C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D302	MA111-X	SI DIODE		C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D303	MA111-X	SI DIODE		C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M
D304	MA111-X	SI DIODE		C621	QETM1VM-228	E CAPACITOR	2200uF 35V M
D607	MA111-X	SI DIODE		C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D608	MA111-X	SI DIODE		C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D609	MA111-X	SI DIODE		C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D611	MA8330/L/-X	Z DIODE		C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D613	MA8330/L/-X	Z DIODE		C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
D616	MA111-X	SI DIODE		C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D618	MA8033-X	Z DIODE		C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
D621	MTZJ5.6B-T2	Z DIODE		C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
D701	MA111-X	SI DIODE		C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D702	1SS357-X	SB DIODE		C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D704	MA8068/M/-X	Z DIODE		C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D705	MA111-X	SI DIODE		C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M
D706	MA111-X	SI DIODE		C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D707	MA111-X	SI DIODE		C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D708	MA111-X	SI DIODE		C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M
D711	EC30HA03L-X	SB DIODE		C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D712	1SR35-400A-T2	SI DIODE		C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M
D713	UDZS2.0B-X	Z DIODE		C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M
				C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M
				C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K				
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C773	NCB31AK-105X	C CAPACITOR	1uF 10V K	R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C782	NCB31AK-105X	C CAPACITOR	1uF 10V K	R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C783	NCB31AK-105X	C CAPACITOR	1uF 10V K	R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L101	QQL244K-100Z	PEAKING COIL	10uH K
R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L102	QQL244K-270Z	PEAKING COIL	27uH K
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L104	QQL244K-1R5Z	COIL	1.5uH K
R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L601	NQR0199-004X	FERRITE BEADS	
R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L602	NQR0199-004X	FERRITE BEADS	
R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	NQR0199-004X	FERRITE BEADS	
R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L702	NQR0199-004X	FERRITE BEADS	
R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	L703	NQR0199-004X	FERRITE BEADS	
R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L704	NQR0199-004X	FERRITE BEADS	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L705	NQR0199-004X	FERRITE BEADS	
R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L706	NQR0199-004X	FERRITE BEADS	
R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L707	NQR0199-004X	FERRITE BEADS	
R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L708	NQR0199-004X	FERRITE BEADS	
R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	L709	NQR0199-004X	FERRITE BEADS	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L710	NQR0199-004X	FERRITE BEADS	
R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L711	NQR0199-004X	FERRITE BEADS	
R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L712	NQR0199-004X	FERRITE BEADS	
R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L713	NQR0199-004X	FERRITE BEADS	
R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L714	NQR0199-004X	FERRITE BEADS	
R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L715	NQR0199-004X	FERRITE BEADS	
R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	L716	NQR0199-004X	FERRITE BEADS	
R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	L717	NQR0199-004X	FERRITE BEADS	
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L718	NQR0199-004X	FERRITE BEADS	
R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				



△Ref No.	Part No.	Part Name	Description Local
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034023	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
HS602	LC32265-001A	HEAT SINK/AL-F/	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0795-001	SAW FILTER	
TU101	QAU0344-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

### **POWER&DEF P.W. BOARD ASS'Y (SJW-2002A-U2)**

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

### **CRT SOCKET P.W. BOARD ASS'Y (SJW-3002A-U2)**

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

### **FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)**

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

### **SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)**

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

### **AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)**

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST [AV-32R4SK]

## MAIN P.W. BOARD ASS'Y (SJW-1901A-U2)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC		D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
IC551	LA6515	IC		D620	MA111-X	SI DIODE	
IC601	AN7585	IC		D621	MTZJ5.6B-T2	Z DIODE	
IC602	AN7585	IC		D701	MA111-X	SI DIODE	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)	D702	1SS357-X	SB DIODE	
IC702	AT24C16-28R4SK	IC	(SERVICE)	D704	MA8068/M/-X	Z DIODE	
IC901	AN78L08-T	IC		D705	MA111-X	SI DIODE	
IC902	AN78L09-T	IC		D706	MA111-X	SI DIODE	
				D707	MA111-X	SI DIODE	
				D708	MA111-X	SI DIODE	
				D711	EC30HA03L-X	SB DIODE	
Q101	2SC5083/L-P/-T	TRANSISTOR		D712	1SR35-400A-T2	SI DIODE	
Q201	2SC3928A/QR/-X	TRANSISTOR		D713	UDZS2.0B-X	Z DIODE	
Q202	2SC3928A/QR/-X	TRANSISTOR		D714	UDZS2.0B-X	Z DIODE	
Q203	2SC3928A/QR/-X	TRANSISTOR		D981	MA111-X	SI DIODE	
Q204	2SC3928A/QR/-X	TRANSISTOR		D982	MA111-X	SI DIODE	
Q205	2SC3928A/QR/-X	TRANSISTOR					
Q206	2SC3928A/QR/-X	TRANSISTOR		C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q207	DTC323TK-X	DIGI TRANSISTOR		C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q208	2SC3928A/QR/-X	TRANSISTOR		C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q209	2SC3928A/QR/-X	TRANSISTOR		C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
Q210	2SA1530A/QR/-X	SI TRANSISTOR		C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
Q211	DTC323TK-X	DIGI TRANSISTOR		C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
Q212	2SA1530A/QR/-X	SI TRANSISTOR		C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q213	DTC323TK-X	DIGI TRANSISTOR		C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q214	DTC323TK-X	DIGI TRANSISTOR		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q215	KTA1267/YG/-T	TRANSISTOR		C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q217	KTC3199/YG/-T	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q218	UN2213-X	DIGI TRANSISTOR		C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q219	2SC3928A/QR/-X	TRANSISTOR		C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q220	2SC3928A/QR/-X	TRANSISTOR		C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q221	2SC3928A/QR/-X	TRANSISTOR		C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q301	2SA1530A/QR/-X	SI TRANSISTOR		C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q302	2SC3928A/QR/-X	TRANSISTOR		C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q551	2SC3928A/QR/-X	TRANSISTOR		C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q552	2SA1530A/QR/-X	SI TRANSISTOR		C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q605	2SC3928A/QR/-X	TRANSISTOR		C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q606	2SC3928A/QR/-X	TRANSISTOR		C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q608	2SC3928A/QR/-X	TRANSISTOR		C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q609	2SC3928A/QR/-X	TRANSISTOR		C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q610	UN2213-X	DIGI TRANSISTOR		C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q613	UN2213-X	DIGI TRANSISTOR		C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q617	2SC3928A/QR/-X	TRANSISTOR		C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q618	2SC3928A/QR/-X	TRANSISTOR		C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q620	UN2213-X	DIGI TRANSISTOR		C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q621	2SA1530A/QR/-X	SI TRANSISTOR		C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q622	2SC3928A/QR/-X	TRANSISTOR		C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q702	2SC3928A/QR/-X	TRANSISTOR		C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q703	2SC3928A/QR/-X	TRANSISTOR		C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q704	2SC3928A/QR/-X	TRANSISTOR		C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q707	2SC3928A/QR/-X	TRANSISTOR		C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q708	2SC3928A/QR/-X	TRANSISTOR		C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q709	2SA562TM/Y/-T	TRANSISTOR		C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q710	2SA562TM/Y/-T	TRANSISTOR		C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q711	2SC3928A/QR/-X	TRANSISTOR		C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q712	2SA1530A/QR/-X	SI TRANSISTOR		C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q713	2SC2411K/QR/-X	TRANSISTOR		C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
				C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D201	MA8120/M/-X	Z DIODE		C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D204	MA8120/M/-X	Z DIODE		C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
D205	MA8120/M/-X	Z DIODE		C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
D206	MA8120/M/-X	Z DIODE		C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D207	MA8120/M/-X	Z DIODE		C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D208	MA8120/M/-X	Z DIODE		C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D209	MA8120/M/-X	Z DIODE		C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D211	MA8120/M/-X	Z DIODE		C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D212	MA8120/M/-X	Z DIODE		C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
D301	MA111-X	SI DIODE		C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D302	MA111-X	SI DIODE		C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D303	MA111-X	SI DIODE		C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
D304	MA111-X	SI DIODE		C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D601	MA8330/L/-X	Z DIODE		C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D602	MA8330/L/-X	Z DIODE		C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D603	MA8330/L/-X	Z DIODE		C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D604	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D605	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	C561	NDC31HJ-561X	C CAPACITOR	560pF 50V J
D607	MA111-X	SI DIODE		C562	NCB11EK-105X	C CAPACITOR	1uF 25V K
D608	MA111-X	SI DIODE		C601	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D609	MA111-X	SI DIODE		C602	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D611	MA8330/L/-X	Z DIODE		C603	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D612	MA8330/L/-X	Z DIODE		C604	QETN1HM-107Z	E CAPACITOR	100uF 50V M
D613	MA8330/L/-X	Z DIODE		C605	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D616	MA111-X	SI DIODE		C606	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C607	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C608	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C609	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C610	QETM1VM-228	E CAPACITOR	2200uF 35V M	C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K
C611	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C612	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C613	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C614	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C615	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C616	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C618	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C773	NCB31AK-105X	C CAPACITOR	1uF 10V K
C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C624	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C625	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C629	QETM1EM-338	E CAPACITOR	3300uF 25V M	C782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C783	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C633	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C635	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C650	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R610	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R611	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R612	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R618	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R619	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R625	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R627	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R628	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R629	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R635	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R654	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R655	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R661	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R678	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R679	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R680	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R723	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R551	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R552	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R555	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R557	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R558	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R559	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R561	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R563	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R564	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J



△Ref No.	Part No.	Part Name	Description Local
R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R782	NDC31HJ-470X	C CAPACITOR	47pF 50V J
R784	NDC31HJ-470X	C CAPACITOR	47pF 50V J
R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L101	QQL244K-100Z	PEAKING COIL	10uH K
L102	QQL244K-270Z	PEAKING COIL	27uH K
L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
L104	QQL244K-1R5Z	COIL	1.5uH K
L701	NQR0199-004X	FERRITE BEADS	
L702	NQR0199-004X	FERRITE BEADS	
L703	NQR0199-004X	FERRITE BEADS	
L704	NQR0199-004X	FERRITE BEADS	
L705	NQR0199-004X	FERRITE BEADS	
L706	NQR0199-004X	FERRITE BEADS	
L707	NQR0199-004X	FERRITE BEADS	
L708	NQR0199-004X	FERRITE BEADS	
L709	NQR0199-004X	FERRITE BEADS	
L710	NQR0199-004X	FERRITE BEADS	
L711	NQR0199-004X	FERRITE BEADS	
L712	NQR0199-004X	FERRITE BEADS	
L713	NQR0199-004X	FERRITE BEADS	
L714	NQR0199-004X	FERRITE BEADS	
L715	NQR0199-004X	FERRITE BEADS	
L716	NQR0199-004X	FERRITE BEADS	
L717	NQR0199-004X	FERRITE BEADS	
L718	NQR0199-004X	FERRITE BEADS	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN002	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034423	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN00S	QJK002-053820	SIN CR C-B WIRE	
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0RT	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN0SC	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
CN0SW	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS601	LC32265-003A	HEAT SINK/AL-F/	
HS602	LC32265-002A	HEAT SINK/AL-F/	
K551	QQR0621-002Z	FERRITE BEADS	
K552	QQR0621-002Z	FERRITE BEADS	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0795-001	SAW FILTER	
TU101	QAU0344-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

## POWER&DEF P.W. BOARD ASS'Y (SJW-2003A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC901	ICE1QS01	IC	
IC951	SE140N	IC	
IC961	PQ120RDA1SZ	IC	
IC962	PQ050RD01SZ	IC	
IC965	BA033T	REGULATOR IC	
Q402	KTC3199/YG/-T	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q501	BSN304-T	MOS FET	
△Q521	2SC5902-RL	POW TRANSISTOR	
Q541	KTC3199/YG/-T	TRANSISTOR	
Q571	DTC124ESA-T	DIGI TRANSISTOR	
Q572	KTC3199/YG/-T	TRANSISTOR	
Q573	RDN050N20	POWER MOS FET	
Q574	RDN050N20	POWER MOS FET	
Q591	2SA1208/ST/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	KTC3199/YG/-T	TRANSISTOR	
Q901	STP13NK60ZFP	POWER MOS FET	
Q902	KTA1267/YG/-T	TRANSISTOR	
Q931	KTC3199/YG/-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	
Q934	KTC3199/YG/-T	TRANSISTOR	
D402	1SR35-400A-T2	SI DIODE	
D491	1SS133-T2	DIODE	
D492	MTZJ22B-T2	Z DIODE	
D493	1SS133-T2	DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFT2	SI DIODE	
D523	RGP10J-04TS-T3	SI DIODE	
D525	MTZJ5.1B-T2	Z DIODE	
D541	RGP10J-04TS-T3	SI DIODE	
D551	RGP10J-04TS-T3	SI DIODE	
D553	RGP10J-04TS-T3	SI DIODE	
D554	RGP10J-04TS-T3	SI DIODE	
D592	MTZJ7.5B-T2	Z DIODE	
D593	RGP10J-04TS-T3	SI DIODE	
D594	MTZJ7.5S-T2	Z DIODE	
D901	D3SBA60	DIODE	
D902	RG1C-LFA1	SI DIODE	
D904	1SR35-400A-T2	SI DIODE	
D905	1SR35-400A-T2	SI DIODE	
D906	1SR35-400A-T2	SI DIODE	
D907	1SR35-400A-T2	SI DIODE	
D909	1N4002G-T2	SI DIODE	
D910	1N4002G-T2	SI DIODE	
D911	MTZJ18C-T2	Z DIODE	
D951	RU4AM-F1	SI DIODE	
D953	RGP10J-04TS-T3	SI DIODE	
D954	RGP10J-04TS-T3	SI DIODE	
D955	FMX-G12S	SI DIODE	
D956	FMX-G12S	SI DIODE	
D957	RGP10J-04TS-T3	SI DIODE	
D958	1SR35-400A-T2	SI DIODE	
D963	MTZJ3.9B-T2	Z DIODE	
D964	MTZJ33B-T2	Z DIODE	
D965	MTZJ4.7B-T2	Z DIODE	
D967	MTZJ5.6B-T2	Z DIODE	
D981	1SS133-T2	DIODE	
D983	1SS133-T2	DIODE	
C401	QEHR1VM-227Z	E CAPACITOR	220uF 35V M
C402	QETM1VM-108	E CAPACITOR	1000uF 35V M
C405	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C406	QCZ0337-180Z	C CAPACITOR	18pF 2kV J
C408	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C409	QDC31HJ-470Z	C CAPACITOR	47pF 50V J
C410	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C411	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C461	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C491	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C502	QCB32HK-681Z	C CAPACITOR	680pF 500V K
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
C521	QFZ0196-232	MPP CAPACITOR	2300pF 1.5kV H
C522	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C523	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J
C524	QFM72DK-104	M CAPACITOR	0.1uF 200V K
C526	QFZ0197-254	MPP CAPACITOR	0.25uF 250V J
C527	QEHR2EM-475Z	E CAPACITOR	4.7uF 250V M
C529	QFM72DK-393	M CAPACITOR	0.039uF 200V K
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C533	QCS32HJ-560Z	C CAPACITOR	56pF 500V J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C541	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	△R554	QRZ9021-1R2	FUSI RESISTOR	1.2Ω 1W J
C551	QETN2EM-106Z	E CAPACITOR	10uF 250V M	△R555	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J
C552	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	R561	QRL029J-221	OMF RESISTOR	220Ω 2W J
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R562	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
C554	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	R563	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K
C555	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	R571	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
C560	QETM2CM-227	E CAPACITOR	220uF 160V M	R572	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
C561	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	R573	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
C572	QFZ0197-154	MPP CAPACITOR	0.15uF 250V J	R574	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
C591	QETN1AM-107Z	E CAPACITOR	100uF 10V M	R575	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J
C592	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R576	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
C593	QETN2AM-106Z	E CAPACITOR	10uF 100V M	R577	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
C594	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R591	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
△C901	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M	R592	QRA14CF-1201Y	CMF RESISTOR	1.2kΩ 1/4W F
△C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R593	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J
△C904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	R594	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
△C905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	R595	QRA14CF-1962Y	CMF RESISTOR	19.6kΩ 1/4W F
△C906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	R596	QRA14CF-2801Y	CMF RESISTOR	2.8kΩ 1/4W F
C907	QEZ0199-227	E CAPACITOR	220uF 25V J	R597	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J
C908	QCB32HK-103	C CAPACITOR	0.01uF 500V K	R902	QRE121J-331Y	C RESISTOR	330Ω 1/2W J
C909	QCZ0122-561	C CAPACITOR	560pF 2kV K	R903	QRF104K-3R9	UNF WW RESISTOR	3.9Ω 10W K
C910	QCZ0122-391	C CAPACITOR	390pF 2kV K	R904	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
C911	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z	R905	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
C912	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J	R907	QRL039J-823	OMF RESISTOR	82kΩ 3W J
C914	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J	R908	QRL039J-823	OMF RESISTOR	82kΩ 3W J
C915	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	R909	QRE121J-185Y	C RESISTOR	1.8kΩ 1/2W J
C916	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R910	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J
△C918	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R911	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J
C919	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J	R912	QRE141J-470Y	C RESISTOR	47Ω 1/4W J
C920	QDC31HJ-150Z	C CAPACITOR	15pF 50V J	R913	QRE121J-330Y	C RESISTOR	33Ω 1/2W J
C933	QETM1VM-338	E CAPACITOR	3300uF 35V M	R914	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J
C951	QCZ0122-561	C CAPACITOR	560pF 2kV K	R915	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
C952	QEZ0203-227	E CAPACITOR	220uF 160V M	R916	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
C953	QCB32HK-391Z	C CAPACITOR	390pF 500V K	R917	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
C954	QTMM1EM-228	E CAPACITOR	220uF 25V M	R918	QRE141J-120Y	C RESISTOR	12Ω 1/4W J
C955	QCB32HK-391Z	C CAPACITOR	390pF 500V K	R919	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J
C956	QTMM1CM-228	E CAPACITOR	2200uF 16V M	R931	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
C959	QETM1VM-338	E CAPACITOR	3300uF 35V M	R934	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
C961	QETM1VM-228	E CAPACITOR	2200uF 35V M	R935	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
C964	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J	R937	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M	R938	QRE141J-331Y	C RESISTOR	330Ω 1/4W J
C966	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	△R939	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
C967	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R941	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
C968	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z	R942	QRL039J-102	OMF RESISTOR	1kΩ 3W J
C969	QEHR1CM-477Z	E CAPACITOR	470uF 16V M	R943	QRL039J-102	OMF RESISTOR	1kΩ 3W J
C970	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	R944	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
C974	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z	R952	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
C975	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R964	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
C976	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R967	QRL039J-223	OMF RESISTOR	22kΩ 3W J
△C991	QCZ9079-332	C CAPACITOR	3300pF AC250V M	△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
R401	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	L461	QQLZ036-821	COIL	820uH K
R402	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	L521	QQR1422-003	CHOKE COIL	
R403	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	L522	QQR1106-002	LIN COIL	
R404	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	L561	QQR1422-002	CHOKE COIL	
R414	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	L901	QQL402K-100	CHOKE COIL	10uH K
R415	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	L902	QQL402K-100	CHOKE COIL	10uH K
R416	QRG01GJ-820	OMF RESISTOR	82Ω 1W J	△L903	QQR1200-001	CHOKE COIL	
R417	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	L951	QQLZ026-460	COIL	46uH ±7%
R461	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	L952	QQL26AK-820Z	CHOKE COIL	82uH K
R462	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	L954	QQL26AM-5R6Z	CHOKE COIL	5.6uH M
R467	QRL039J-120	OMF RESISTOR	12Ω 3W J	L955	QQL26AK-220Z	CHOKE COIL	22uH K
R492	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	T501	QQR1414-001	DRIVE TRANSF	
R493	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	T561	QQR0898-001	DAF TRANSF	
△R494	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	△T901	QQS0262-001	SW TRANSF	
R495	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
R496	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	CN004	QGB1506M1-16	CONNECTOR	B-B (1-16)
R497	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	CN009	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R501	QRE141J-561Y	C RESISTOR	560Ω 1/4W J	CN00V	QGA7901C1-02	CONNECTOR	W-B (1-2)
R502	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	CN00X	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	CN0HV	CHC802T-05N-J	LV CONNECTOR	
R504	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J	△CP951	ICP-N50-Y	IC PROTECTOR	2.0A
R505	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J	△CP952	ICP-N50-Y	IC PROTECTOR	2.0A
R506	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	△CP953	QMFZ049-4R0Z-E	FUSE	4A 125V
R521	QRE121J-150Y	C RESISTOR	15Ω 1/2W J	△CP954	ICP-N75-Y	IC PROTECTOR	2.7A
R522	QRL039J-103	OMF RESISTOR	10kΩ 3W J	△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
R523	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	HS001	LC32673-001A	HEAT SINK	
△R524	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	HS002	CM48010-002-H	HEAT SINK	
R525	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	HS003	LC30416-002A	HEAT SINK/AL-F/	
R541	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	HS004	CEHT11B-005QS	HEAT SINK	
R542	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	HS955	CEHT11B-002QS	HEAT SINK	
R543	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	HS956	CEHT11B-002QS	HEAT SINK	
R545	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	HS962	CEHT11B-002QS	HEAT SINK	
R546	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	HS965	CM42862-00J-H	HEAT SINK ASSY	
R551	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	K401	QQR0621-002Z	FERRITE BEADS	
R552	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	K503	QQR0582-001Z	FERRITE BEADS	
R553	QRF104K-5R6	UNF WW RESISTOR	5.6Ω 10W K				



△Ref No.	Part No.	Part Name	Description Local
K504	QQR0582-001Z	FERRITE BEADS	
K901	QQR0679-001	FERRITE BEADS	
K951	QQR0872-001Y	FERRITE BEADS	
K952	QQR0621-002Z	FERRITE BEADS	
K953	QQR0621-002Z	FERRITE BEADS	
K954	QQR0621-002Z	FERRITE BEADS	
K955	QQR0621-002Z	FERRITE BEADS	
K956	QQR0621-002Z	FERRITE BEADS	
△LF902	QQR1095-001	LINE FILTER	
△PC571	PC123Y22FZ	PHOTO COUPLER	
△PC901	PC123Y22FZ	PHOTO COUPLER	
△TH901	QAD0133-9R0	P THERMISTOR	9Ω 220V/240V

## CRT SOCKET P.W. BOARD ASS'Y (SJW-3001A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC3101	TDA6107AJF/N1	IC	
Q3304	KTC3199/YG-T	TRANSISTOR	
Q3305	KTC3199/YG-T	TRANSISTOR	
Q3306	KTA1267/YG-T	TRANSISTOR	
Q3309	2SA1837	POW TRANSISTOR	
Q3310	2SC4793	POW TRANSISTOR	
D3101	RGP10J-04TS-T3	SI DIODE	
D3102	RGP10J-04TS-T3	SI DIODE	
D3103	RGP10J-04TS-T3	SI DIODE	
D3111	1SR35-400A-T2	SI DIODE	
D3301	MA8150/M/-X	Z DIODE	
D3302	RH1S-T3	SI DIODE	
D3303	RH1S-T3	SI DIODE	
C3101	QFK62EK-104Z	MM CAPACITOR	0.1uF 250V K
C3102	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3103	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M
C3111	QETM2EM-336	E CAPACITOR	33uF 250V M
C3112	QETM2EM-106	E CAPACITOR	10uF 250V M
C3113	QCZ0131-222	C CAPACITOR	2200pF 2kV K
C3301	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3305	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C3306	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3307	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3308	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3309	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3310	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3312	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3314	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3315	QCS32HJ-680Z	C CAPACITOR	68pF 500V J
C3316	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3317	QETN1AM-337Z	E CAPACITOR	330uF 10V M
R3101	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3102	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3103	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3104	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3105	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3106	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R3107	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3108	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3109	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R3110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3121	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J
R3122	QRZ0107-102Z	C RESISTOR	1kΩ 1/2W K
R3123	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R3124	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
△R3301	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
R3303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3312	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3313	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3315	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3316	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3317	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3318	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J
R3319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3320	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3321	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3322	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J
R3323	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J
R3324	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J
R3325	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3326	QRE121J-2R7Y	C RESISTOR	2.7Ω 1/2W J

△Ref No.	Part No.	Part Name	Description Local
R3327	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3328	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3329	QRL029J-391	OMF RESISTOR	390Ω 2W J
L3101	QQL244J-5R6Z	COIL	5.6uH J
L3301	QQL244J-391Z	PEAKING COIL	390uH J
CN3008	QJK002-073622	SIN CR C-B WIRE	
CN3009	QJK002-063231	SIN CR C-B WIRE	
CN30E2	CE41507-001P	LV CONNECTOR	
CN30SC	QGZ0017C1-01Z	CONNECTOR	(1-1)
CN3VM2	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS3101	LC31150-002A	HEAT SINK/AL-F1	
HS3309	CEHP00N-001QS	HEAT SINK	
HS3310	CEHP00N-001QS	HEAT SINK	
K3301	CE41492-001Z	CHOKE COIL	
K3302	CE41492-001Z	CHOKE COIL	
K3303	CE41492-001Z	CHOKE COIL	
K3304	CE41492-001Z	CHOKE COIL	
K3305	QQR0621-002Z	FERRITE BEADS	
SG3101	QAF0056-501Z	SURGE ABSORBER	500V M
SG3102	QAF0056-501Z	SURGE ABSORBER	500V M
SG3103	QAF0056-501Z	SURGE ABSORBER	500V M
△SK3001	QNZ0574-001	CRT SOCKET	

## FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## DOLBY P.W. BOARD ASS'Y (SJW0D001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST [AV-32T4SK]

## MAIN P.W. BOARD ASS'Y (SJW-1905A-U2)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC		D711	EC30HA03L-X	SB DIODE	
IC551	LA6515	IC		D712	1SR35-400A-T2	SI DIODE	
IC602	AN5277	IC		D713	UDZS2.0B-X	Z DIODE	
IC604	TC7W74F-X	IC		D714	UDZS2.0B-X	Z DIODE	
IC605	TC7W74F-X	IC		D981	MA111-X	SI DIODE	
IC606	UDA1334BT-X	Z DIODE		D982	MA111-X	SI DIODE	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)	C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC702	AT24C16-28T4SP	IC	(SERVICE)	C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
IC901	AN78L08-T	IC		C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC902	AN78L09-T	IC		C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
				C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
Q101	2SC5083/L-P/-T	TRANSISTOR		C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
Q201	2SC3928A/QR/-X	TRANSISTOR		C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q202	2SC3928A/QR/-X	TRANSISTOR		C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q203	2SC3928A/QR/-X	TRANSISTOR		C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q204	2SC3928A/QR/-X	TRANSISTOR		C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q205	2SC3928A/QR/-X	TRANSISTOR		C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q206	2SC3928A/QR/-X	TRANSISTOR		C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q207	DTC323TK-X	DIGI TRANSISTOR		C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q208	2SC3928A/QR/-X	TRANSISTOR		C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q209	2SC3928A/QR/-X	TRANSISTOR		C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q210	2SA1530A/QR/-X	SI TRANSISTOR		C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q211	DTC323TK-X	DIGI TRANSISTOR		C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q212	2SA1530A/QR/-X	SI TRANSISTOR		C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q213	DTC323TK-X	DIGI TRANSISTOR		C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q214	DTC323TK-X	DIGI TRANSISTOR		C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q215	KTA1267/YG/-T	TRANSISTOR		C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q217	KTC3199/YG/-T	TRANSISTOR		C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q218	UN2213-X	DIGI TRANSISTOR		C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q219	2SC3928A/QR/-X	TRANSISTOR		C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q220	2SC3928A/QR/-X	TRANSISTOR		C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q221	2SC3928A/QR/-X	TRANSISTOR		C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
Q301	2SA1530A/QR/-X	SI TRANSISTOR		C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q302	2SC3928A/QR/-X	TRANSISTOR		C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q551	2SC3928A/QR/-X	TRANSISTOR		C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q552	2SA1530A/QR/-X	SI TRANSISTOR		C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q617	2SC3928A/QR/-X	TRANSISTOR		C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q618	2SC3928A/QR/-X	TRANSISTOR		C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q620	UN2213-X	DIGI TRANSISTOR		C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q621	2SA1530A/QR/-X	SI TRANSISTOR		C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q622	2SC3928A/QR/-X	TRANSISTOR		C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q702	2SC3928A/QR/-X	TRANSISTOR		C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q703	2SC3928A/QR/-X	TRANSISTOR		C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q704	2SC3928A/QR/-X	TRANSISTOR		C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
Q707	2SC3928A/QR/-X	TRANSISTOR		C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q708	2SC3928A/QR/-X	TRANSISTOR		C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q709	2SA562TM/Y/-T	TRANSISTOR		C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q710	2SA562TM/Y/-T	TRANSISTOR		C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q711	2SC3928A/QR/-X	TRANSISTOR		C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q712	2SA1530A/QR/-X	SI TRANSISTOR		C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
Q713	2SC2411K/QR/-X	TRANSISTOR		C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
				C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D201	MA8120/M/-X	Z DIODE		C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D204	MA8120/M/-X	Z DIODE		C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D205	MA8120/M/-X	Z DIODE		C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D206	MA8120/M/-X	Z DIODE		C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
D207	MA8120/M/-X	Z DIODE		C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D208	MA8120/M/-X	Z DIODE		C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D209	MA8120/M/-X	Z DIODE		C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
D211	MA8120/M/-X	Z DIODE		C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D212	MA8120/M/-X	Z DIODE		C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D301	MA111-X	SI DIODE		C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D302	MA111-X	SI DIODE		C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D303	MA111-X	SI DIODE		C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
D304	MA111-X	SI DIODE		C561	NDC31HJ-561X	C CAPACITOR	560pF 50V J
D607	MA111-X	SI DIODE		C562	NCB11EK-105X	C CAPACITOR	1uF 25V K
D608	MA111-X	SI DIODE		C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D609	MA111-X	SI DIODE		C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
D611	MA8330/L/-X	Z DIODE		C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M
D613	MA8330/L/-X	Z DIODE		C621	QETM1VM-228	E CAPACITOR	2200uF 35V M
D616	MA111-X	SI DIODE		C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D618	MA8033-X	Z DIODE		C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D621	MTZJ5.6B-T2	Z DIODE		C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D701	MA111-X	SI DIODE		C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
D702	1SS357-X	SB DIODE		C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
D704	MA8068/M/-X	Z DIODE		C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D705	MA111-X	SI DIODE		C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
D706	MA111-X	SI DIODE		C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
D707	MA111-X	SI DIODE		C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D708	MA111-X	SI DIODE		C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C782	NCB31AK-105X	C CAPACITOR	1uF 10V K
C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C783	NCB31AK-105X	C CAPACITOR	1uF 10V K
C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C773	NCB31AK-105X	C CAPACITOR	1uF 10V K				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R551	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R552	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R555	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R557	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R558	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R559	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R561	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R563	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R564	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L101	QQL244K-100Z	PEAKING COIL	10uH K
R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L102	QQL244K-270Z	PEAKING COIL	27uH K
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				



△Ref No.	Part No.	Part Name	Description Local
L104	QQL244K-1R5Z	COIL	1.5uH K
L601	NQR0199-004X	FERRITE BEADS	
L602	NQR0199-004X	FERRITE BEADS	
L701	NQR0199-004X	FERRITE BEADS	
L702	NQR0199-004X	FERRITE BEADS	
L703	NQR0199-004X	FERRITE BEADS	
L704	NQR0199-004X	FERRITE BEADS	
L705	NQR0199-004X	FERRITE BEADS	
L706	NQR0199-004X	FERRITE BEADS	
L707	NQR0199-004X	FERRITE BEADS	
L708	NQR0199-004X	FERRITE BEADS	
L709	NQR0199-004X	FERRITE BEADS	
L710	NQR0199-004X	FERRITE BEADS	
L711	NQR0199-004X	FERRITE BEADS	
L712	NQR0199-004X	FERRITE BEADS	
L713	NQR0199-004X	FERRITE BEADS	
L714	NQR0199-004X	FERRITE BEADS	
L715	NQR0199-004X	FERRITE BEADS	
L716	NQR0199-004X	FERRITE BEADS	
L717	NQR0199-004X	FERRITE BEADS	
L718	NQR0199-004X	FERRITE BEADS	

CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034423	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN00S	QJK002-053820	SIN CR C-B WIRE	
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0RT	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS602	LC32265-001A	HEAT SINK/AL-F/	
K551	QQR0621-002Z	FERRITE BEADS	
K552	QQR0621-002Z	FERRITE BEADS	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0795-001	SAW FILTER	
TU101	QAU0344-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

## POWER&DEF P.W. BOARD ASS'Y (SJW-2001A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC901	ICE1QS01	IC	
IC951	SE140N	IC	
IC961	PQ120RDA1SZ	IC	
IC962	PQ050RD01SZ	IC	
IC965	BA033T	REGULATOR IC	
Q402	KTC3199/YG-T	TRANSISTOR	
Q461	RDN050N20	POWER MOS FET	
Q501	BSN304-T	MOS FET	
△Q521	2SC5902-RL	POW TRANSISTOR	H.OUT
Q541	KTC3199/YG-T	TRANSISTOR	
Q571	DTC124ESA-T	DIGI TRANSISTOR	
Q572	KTC3199/YG-T	TRANSISTOR	
Q573	RDN050N20	POWER MOS FET	
Q574	RDN050N20	POWER MOS FET	
Q591	2SA1208/ST/Z1-T	TRANSISTOR	
Q592	DTC124ESA-T	DIGI TRANSISTOR	
Q593	KTC3199/YG-T	TRANSISTOR	
Q901	STP13NK60ZFP	POWER MOS FET	
Q902	KTA1267/YG-T	TRANSISTOR	
Q931	KTC3199/YG-T	TRANSISTOR	
Q932	DTC124ESA-T	DIGI TRANSISTOR	
Q934	KTC3199/YG-T	TRANSISTOR	
D402	1SR35-400A-T2	SI DIODE	
D491	1SS133-T2	DIODE	
D492	MTZJ22B-T2	Z DIODE	
D493	1SS133-T2	DIODE	
D521	RH3G-F1	SI DIODE	
D522	RU4AM-LFT2	SI DIODE	
D523	RGP10J-04TS-T3	SI DIODE	
D525	MTZJ5.1B-T2	Z DIODE	
D541	RGP10J-04TS-T3	SI DIODE	
D551	RGP10J-04TS-T3	SI DIODE	
D553	RGP10J-04TS-T3	SI DIODE	
D554	RGP10J-04TS-T3	SI DIODE	
D592	MTZJ7.5B-T2	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D593	RGP10J-04TS-T3	SI DIODE	
D594	MTZJ7.5S-T2	Z DIODE	
D901	D3SBA60	DIODE	
D902	RG1C-LFA1	SI DIODE	
D904	1SR35-400A-T2	SI DIODE	
D905	1SR35-400A-T2	SI DIODE	
D906	1SR35-400A-T2	SI DIODE	
D907	1SR35-400A-T2	SI DIODE	
D909	1N4002G-T2	SI DIODE	
D910	1N4002G-T2	SI DIODE	
D911	MTZJ18C-T2	Z DIODE	
D951	RU4AM-F1	SI DIODE	
D953	RGP10J-04TS-T3	SI DIODE	
D954	RGP10J-04TS-T3	SI DIODE	
D955	FMX-G12S	SI DIODE	
D957	RGP10J-04TS-T3	SI DIODE	
D958	1SR35-400A-T2	SI DIODE	
D963	MTZJ3.9B-T2	Z DIODE	
D964	MTZJ33B-T2	Z DIODE	
D965	MTZJ4.7B-T2	Z DIODE	
D967	MTZJ5.6B-T2	Z DIODE	
D981	1SS133-T2	DIODE	
D983	1SS133-T2	DIODE	

C401	QEHR1VM-227Z	E CAPACITOR	220uF 35V M
C402	QETM1VM-108	E CAPACITOR	1000uF 35V M
C405	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C406	QCZ0337-180Z	C CAPACITOR	18pF 2kV J
C408	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C409	QDC31HJ-470Z	C CAPACITOR	47pF 50V J
C410	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J
C411	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C461	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
C491	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C502	QCB32HK-681Z	C CAPACITOR	680pF 500V K
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
C521	QFZ0196-232	MPP CAPACITOR	2300pF 1.5kV H
C522	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C523	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J
C524	QFM72DK-104	M CAPACITOR	0.1uF 200V K
C526	QFZ0197-254	MPP CAPACITOR	0.25uF 250V J
C527	QEHR2EM-475Z	E CAPACITOR	4.7uF 250V M
C529	QFM72DK-393	M CAPACITOR	0.039uF 200V K
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C531	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C533	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
C541	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C551	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C552	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
C554	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C555	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
C560	QETM2CM-227	E CAPACITOR	220uF 160V M
C561	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J
C572	QFZ0197-154	MPP CAPACITOR	0.15uF 250V J
C591	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C592	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C593	QETN2AM-106Z	E CAPACITOR	10uF 100V M
C594	QETN1AM-227Z	E CAPACITOR	220uF 10V M
△C903	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M
△C904	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
△C905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
△C906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z
C907	QEZ0199-227	E CAPACITOR	220uF 25V J
C908	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C909	QCZ0122-561	C CAPACITOR	560pF 2kV K
C910	QCZ0122-391	C CAPACITOR	390pF 2kV K
C911	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z
C912	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C914	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C915	QCS31HJ-101Z	C CAPACITOR	100pF 50V J
C916	QETN1EM-107Z	E CAPACITOR	100uF 25V M
△C918	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C919	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C920	QDC31HJ-150Z	C CAPACITOR	15pF 50V J
C933	QETM1VM-338	E CAPACITOR	3300uF 35V M
C951	QCZ0122-561	C CAPACITOR	560pF 2kV K
C952	QEZ0203-227	E CAPACITOR	220uF 160V M
C953	QCB32HK-391Z	C CAPACITOR	390pF 500V K
C954	QTMM1EM-228	E CAPACITOR	2200uF 25V M
C955	QCB32HK-391Z	C CAPACITOR	390pF 500V K
C956	QTMM1CM-228	E CAPACITOR	2200uF 16V M
C959	QETM1VM-338	E CAPACITOR	3300uF 35V M
C964	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J
C965	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C966	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C967	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R941	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
C968	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z	R942	QRL039J-102	OMF RESISTOR	1kΩ 3W J
C969	QEHR1CM-477Z	E CAPACITOR	470uF 16V M	R943	QRL039J-102	OMF RESISTOR	1kΩ 3W J
C970	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	R944	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
C974	QCZ0120-104Z	C CAPACITOR	0.1uF 25V Z	R952	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J
C975	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R964	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
C976	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R967	QRL039J-223	OMF RESISTOR	22kΩ 3W J
△C991	QCZ9079-332	C CAPACITOR	3300pF AC250V M	△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
R401	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	L461	QQLZ036-821	COIL	820uH K
R402	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	L521	QQR1422-003	CHOKE COIL	
R403	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	L522	QQR1106-002	LIN COIL	
R404	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	L561	QQR1422-002	CHOKE COIL	
R414	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	L901	QQL402K-100	CHOKE COIL	10uH K
R415	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	L902	QQL402K-100	CHOKE COIL	10uH K
R416	QRG01GJ-820	OMF RESISTOR	82Ω 1W J	△L903	QQR1200-001	CHOKE COIL	
R417	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	L951	QQLZ026-460	COIL	46uH ±7%
R461	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	L952	QQL26AK-820Z	CHOKE COIL	82uH K
R462	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	L954	QQL26AM-5R6Z	CHOKE COIL	5.6uH M
R467	QRL039J-120	OMF RESISTOR	12Ω 3W J	L955	QQL26AK-220Z	CHOKE COIL	22uH K
R492	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	T501	QQR1414-001	DRIVE TRANSF	
R493	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	T561	QQR0898-001	DAF TRANSF	
△R494	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	△T901	QQS0262-001	SW TRANSF	
R495	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
R496	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	CN004	QGB1506M1-16	CONNECTOR	B-B (1-16)
R497	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	CN009	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R501	QRE141J-561Y	C RESISTOR	560Ω 1/4W J	CN00W	QGA7901C1-02	CONNECTOR	W-B (1-2)
R502	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	CN00X	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	CN0HV	CHC802T-05N-J	LV CONNECTOR	
R504	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J	△CP951	ICP-N50-Y	IC PROTECTOR	2.0A
R505	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J	△CP952	ICP-N50-Y	IC PROTECTOR	2.0A
R506	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	△CP953	QMFZ049-4R0Z-E	FUSE	4A 125V
R521	QRE121J-150Y	C RESISTOR	15Ω 1/2W J	△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
R522	QRL039J-103	OMF RESISTOR	10kΩ 3W J	HS001	LC32673-001A	HEAT SINK	
R523	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	HS002	CM48010-002-H	HEAT SINK	
△R524	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	HS003	LC30416-002A	HEAT SINK/AL-F/	
R525	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	HS004	CEHT11B-005QS	HEAT SINK	
R541	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	HS955	CEHT11B-002QS	HEAT SINK	
R542	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	HS962	CEHT11B-002QS	HEAT SINK	
R543	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	HS965	CM42862-00J-H	HEAT SINK ASSY	
R545	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	K401	QQR0621-002Z	FERRITE BEADS	
R546	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	K503	QQR0582-001Z	FERRITE BEADS	
R551	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	K504	QQR0582-001Z	FERRITE BEADS	
R552	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	K901	QQR0679-001	FERRITE BEADS	
R553	QRF104K-5R6	UNF WW RESISTOR	5.6Ω 10W K	K951	QQR0872-001Y	FERRITE BEADS	
△R554	QRZ9021-1R2	FUSI RESISTOR	1.2Ω 1W J	K952	QQR0621-002Z	FERRITE BEADS	
△R555	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J	K953	QQR0621-002Z	FERRITE BEADS	
R561	QRL029J-221	OMF RESISTOR	220Ω 2W J	K954	QQR0621-002Z	FERRITE BEADS	
R562	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	K956	QQR0621-002Z	FERRITE BEADS	
R563	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K	△LF902	QQR1095-001	LINE FILTER	
R571	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	△PC571	PC123Y22FZ	PHOTO COUPLER	
R572	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	△PC901	PC123Y22FZ	PHOTO COUPLER	
R573	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	△TH901	QAD0133-9R0	P THERMISTOR	9Ω 220V/240V
R574	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J				
R575	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J				
R576	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J				
R577	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J				
R591	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J				
R592	QRA14CF-1201Y	CMF RESISTOR	1.2kΩ 1/4W F				
R593	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J				
R594	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J				
R595	QRA14CF-1962Y	CMF RESISTOR	19.6kΩ 1/4W F				
R596	QRA14CF-2801Y	CMF RESISTOR	2.8kΩ 1/4W F				
R597	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J				
R902	QRE121J-331Y	C RESISTOR	330Ω 1/2W J				
R903	QRF104K-3R9	UNF WW RESISTOR	3.9Ω 10W K				
R904	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J				
R905	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J				
R907	QRL039J-823	OMF RESISTOR	82kΩ 3W J				
R908	QRL039J-823	OMF RESISTOR	82kΩ 3W J				
R909	QRE121J-185Y	C RESISTOR	1.8MΩ 1/2W J				
R910	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J				
R911	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J				
R912	QRE141J-470Y	C RESISTOR	47Ω 1/4W J				
R913	QRE121J-330Y	C RESISTOR	33Ω 1/2W J				
R914	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J				
R915	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J				
R916	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J				
R917	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J				
R918	QRE141J-120Y	C RESISTOR	12Ω 1/4W J				
R919	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J				
R931	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J				
R934	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J				
R935	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J				
R937	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J				
R938	QRE141J-331Y	C RESISTOR	330Ω 1/4W J				
△R939	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J				

## CRT SOCKET P.W. BOARD ASS'Y (SJW-3001A-U2)

REFER TO PARTS LIST IN PAGE 3-34 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST [AV-32T4SP / AV-32T4SR]

## MAIN P.W. BOARD ASS'Y (SJW-1001A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC	
IC551	LA6515	IC	
IC602	AN5277	IC	
IC604	TC7W74F-X	IC	
IC605	TC7W74F-X	IC	
IC606	UDA1334BT-X	Z DIODE	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)
IC702	AT24C16-28T4SP	IC	(SERVICE)
IC901	AN78L08-T	IC	
IC902	AN78L09-T	IC	
Q101	2SC5083/L-P/-T	TRANSISTOR	
Q102	UN2212-X	TRANSISTOR	
Q201	2SC3928A/QR/-X	TRANSISTOR	
Q202	2SC3928A/QR/-X	TRANSISTOR	
Q203	2SC3928A/QR/-X	TRANSISTOR	
Q204	2SC3928A/QR/-X	TRANSISTOR	
Q205	2SC3928A/QR/-X	TRANSISTOR	
Q206	2SC3928A/QR/-X	TRANSISTOR	
Q207	DTC323TK-X	DIGI TRANSISTOR	
Q208	2SC3928A/QR/-X	TRANSISTOR	
Q209	2SC3928A/QR/-X	TRANSISTOR	
Q210	2SA1530A/QR/-X	SI TRANSISTOR	
Q211	DTC323TK-X	DIGI TRANSISTOR	
Q212	2SA1530A/QR/-X	SI TRANSISTOR	
Q213	DTC323TK-X	DIGI TRANSISTOR	
Q214	DTC323TK-X	DIGI TRANSISTOR	
Q215	KTA1267/YG/-T	TRANSISTOR	
Q217	KTC3199/YG/-T	TRANSISTOR	
Q218	UN2213-X	DIGI TRANSISTOR	
Q219	2SC3928A/QR/-X	TRANSISTOR	
Q220	2SC3928A/QR/-X	TRANSISTOR	
Q221	2SC3928A/QR/-X	TRANSISTOR	
Q301	2SA1530A/QR/-X	SI TRANSISTOR	
Q302	2SC3928A/QR/-X	TRANSISTOR	
Q551	2SC3928A/QR/-X	TRANSISTOR	
Q552	2SA1530A/QR/-X	SI TRANSISTOR	
Q617	2SC3928A/QR/-X	TRANSISTOR	
Q618	2SC3928A/QR/-X	TRANSISTOR	
Q620	UN2213-X	DIGI TRANSISTOR	
Q621	2SA1530A/QR/-X	SI TRANSISTOR	
Q622	2SC3928A/QR/-X	TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SC3928A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SC3928A/QR/-X	TRANSISTOR	
Q709	2SA562TM/Y/-T	TRANSISTOR	
Q710	2SA562TM/Y/-T	TRANSISTOR	
Q711	2SC3928A/QR/-X	TRANSISTOR	
Q712	2SA1530A/QR/-X	SI TRANSISTOR	
Q713	2SC2411K/QR/-X	TRANSISTOR	
D101	1SS356-X	SI DIODE	
D201	MA8120/M/-X	Z DIODE	
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
D204	MA8120/M/-X	Z DIODE	
D205	MA8120/M/-X	Z DIODE	
D206	MA8120/M/-X	Z DIODE	
D207	MA8120/M/-X	Z DIODE	
D208	MA8120/M/-X	Z DIODE	
D209	MA8120/M/-X	Z DIODE	
D211	MA8120/M/-X	Z DIODE	
D212	MA8120/M/-X	Z DIODE	
D301	MA111-X	SI DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D611	MA8330/L/-X	Z DIODE	
D613	MA8330/L/-X	Z DIODE	
D616	MA111-X	SI DIODE	
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D618	MA8033-X	Z DIODE	
D621	MTZJ5.6B-T2	Z DIODE	
D701	MA111-X	SI DIODE	
D702	1SS357-X	SB DIODE	
D704	MA8068/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	
D706	MA111-X	SI DIODE	

△Ref No.	Part No.	Part Name	Description Local
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	
D711	EC30HA03L-X	SB DIODE	
D712	1SR35-400A-T2	SI DIODE	
D713	UDZS2.0B-X	Z DIODE	
D714	UDZS2.0B-X	Z DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C561	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C562	NCB11EK-105X	C CAPACITOR	1uF 25V K
C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M
C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C773	NCB31AK-105X	C CAPACITOR	1uF 10V K
C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C782	NCB31AK-105X	C CAPACITOR	1uF 10V K
C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C783	NCB31AK-105X	C CAPACITOR	1uF 10V K
C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R551	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R552	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R555	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R557	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R558	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R559	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R561	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R563	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R564	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J



△Ref No.	Part No.	Part Name	Description Local
R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L101	QQL244K-100Z	PEAKING COIL	10uH K
L102	QQL244K-270Z	PEAKING COIL	27uH K
L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
L104	QQL244K-1R5Z	COIL	1.5uH K
L601	NQR0199-004X	FERRITE BEADS	
L602	NQR0199-004X	FERRITE BEADS	
L701	NQR0199-004X	FERRITE BEADS	
L702	NQR0199-004X	FERRITE BEADS	
L703	NQR0199-004X	FERRITE BEADS	
L704	NQR0199-004X	FERRITE BEADS	
L705	NQR0199-004X	FERRITE BEADS	
L706	NQR0199-004X	FERRITE BEADS	
L707	NQR0199-004X	FERRITE BEADS	
L708	NQR0199-004X	FERRITE BEADS	
L709	NQR0199-004X	FERRITE BEADS	
L710	NQR0199-004X	FERRITE BEADS	
L711	NQR0199-004X	FERRITE BEADS	
L712	NQR0199-004X	FERRITE BEADS	
L713	NQR0199-004X	FERRITE BEADS	
L714	NQR0199-004X	FERRITE BEADS	
L715	NQR0199-004X	FERRITE BEADS	
L716	NQR0199-004X	FERRITE BEADS	
L717	NQR0199-004X	FERRITE BEADS	
L718	NQR0199-004X	FERRITE BEADS	
CF101	QAX0619-001	C TRAP	40.40MHz
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034423	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN00S	QJK002-053820	SIN CR C-B WIRE	
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0RT	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS602	LC32265-001A	HEAT SINK/AL-F/	
K551	QQR0621-002Z	FERRITE BEADS	
K552	QQR0621-002Z	FERRITE BEADS	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0621-001	SAW FILTER	
TU101	QAU0345-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

#### POWER&DEF P.W. BOARD ASS'Y (SJW-2001A-U2)

REFER TO PARTS LIST IN PAGE 3-38 FOR THIS P.W. BOARD.

#### CRT SOCKET P.W. BOARD ASS'Y (SJW-3001A-U2)

REFER TO PARTS LIST IN PAGE 3-34 FOR THIS P.W. BOARD.

#### FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

#### SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

#### AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.



# PRINTED WIRING BOARD PARTS LIST [AV-32T77SK]

## MAIN P.W. BOARD ASS'Y (SJW-1903A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC201	CXA2089Q-X	IC	
IC551	LA6515	IC	
IC602	AN5277	IC	
IC604	TC7W74F-X	IC	
IC605	TC7W74F-X	IC	
IC606	UDA1334BT-X	Z DIODE	
IC701	TDA12026-28R4SK	IC(MCU)	(SERVICE)
IC702	AT24C16-28T4SP	IC	(SERVICE)
IC901	AN78L08-T	IC	
IC902	AN78L09-T	IC	
Q101	2SC5083/L-P/-T	TRANSISTOR	
Q201	2SC3928A/QR/-X	TRANSISTOR	
Q202	2SC3928A/QR/-X	TRANSISTOR	
Q203	2SC3928A/QR/-X	TRANSISTOR	
Q204	2SC3928A/QR/-X	TRANSISTOR	
Q205	2SC3928A/QR/-X	TRANSISTOR	
Q206	2SC3928A/QR/-X	TRANSISTOR	
Q207	DTC323TK-X	DIGI TRANSISTOR	
Q208	2SC3928A/QR/-X	TRANSISTOR	
Q209	2SC3928A/QR/-X	TRANSISTOR	
Q210	2SA1530A/QR/-X	SI TRANSISTOR	
Q211	DTC323TK-X	DIGI TRANSISTOR	
Q212	2SA1530A/QR/-X	SI TRANSISTOR	
Q213	DTC323TK-X	DIGI TRANSISTOR	
Q214	DTC323TK-X	DIGI TRANSISTOR	
Q215	KTA1267/YG/-T	TRANSISTOR	
Q217	KTC3199/YG/-T	TRANSISTOR	
Q218	UN2213-X	DIGI TRANSISTOR	
Q219	2SC3928A/QR/-X	TRANSISTOR	
Q220	2SC3928A/QR/-X	TRANSISTOR	
Q221	2SC3928A/QR/-X	TRANSISTOR	
Q301	2SA1530A/QR/-X	SI TRANSISTOR	
Q302	2SC3928A/QR/-X	TRANSISTOR	
Q551	2SC3928A/QR/-X	TRANSISTOR	
Q552	2SA1530A/QR/-X	SI TRANSISTOR	
Q617	2SC3928A/QR/-X	TRANSISTOR	
Q618	2SC3928A/QR/-X	TRANSISTOR	
Q620	UN2213-X	DIGI TRANSISTOR	
Q621	2SA1530A/QR/-X	SI TRANSISTOR	
Q622	2SC3928A/QR/-X	TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SC3928A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SC3928A/QR/-X	TRANSISTOR	
Q709	2SA562TM/Y/-T	TRANSISTOR	
Q710	2SA562TM/Y/-T	TRANSISTOR	
Q711	2SC3928A/QR/-X	TRANSISTOR	
Q712	2SA1530A/QR/-X	SI TRANSISTOR	
Q713	2SC2411K/QR/-X	TRANSISTOR	
D201	MA8120/M/-X	Z DIODE	
D203	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
D204	MA8120/M/-X	Z DIODE	
D205	MA8120/M/-X	Z DIODE	
D206	MA8120/M/-X	Z DIODE	
D207	MA8120/M/-X	Z DIODE	
D208	MA8120/M/-X	Z DIODE	
D209	MA8120/M/-X	Z DIODE	
D211	MA8120/M/-X	Z DIODE	
D212	MA8120/M/-X	Z DIODE	
D301	MA111-X	SI DIODE	
D302	MA111-X	SI DIODE	
D303	MA111-X	SI DIODE	
D304	MA111-X	SI DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D611	MA8330/L/-X	Z DIODE	
D613	MA8330/L/-X	Z DIODE	
D616	MA111-X	SI DIODE	
D617	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D618	MA8033-X	Z DIODE	
D621	MTZJ5.6B-T2	Z DIODE	
D701	MA111-X	SI DIODE	
D702	1SS357-X	SB DIODE	
D704	MA8068/M/-X	Z DIODE	
D705	MA111-X	SI DIODE	
D706	MA111-X	SI DIODE	
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	

△Ref No.	Part No.	Part Name	Description Local
D711	EC30HA03L-X	SB DIODE	
D712	1SR35-400A-T2	SI DIODE	
D713	UDZS2.0B-X	Z DIODE	
D714	UDZS2.0B-X	Z DIODE	
D981	MA111-X	SI DIODE	
D982	MA111-X	SI DIODE	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C102	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	QETN1AM-108Z	E CAPACITOR	1000uF 10V M
C107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C108	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C115	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C118	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C205	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C207	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C208	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C209	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C210	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C212	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C213	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C214	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C216	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C217	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C218	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C219	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C220	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C222	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C223	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C224	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C226	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C227	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C228	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C229	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C230	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M
C232	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C233	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C235	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C236	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C237	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C238	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C239	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C301	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C303	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C305	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C306	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z
C561	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C562	NCB11EK-105X	C CAPACITOR	1uF 25V K
C617	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C619	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M
C622	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C623	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C626	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C627	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C632	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C633	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C634	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C638	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C652	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C776	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C654	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C777	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C655	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C779	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C656	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C780	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C657	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C658	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C782	NCB31AK-105X	C CAPACITOR	1uF 10V K
C659	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C783	NCB31AK-105X	C CAPACITOR	1uF 10V K
C660	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C784	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C787	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C662	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C663	NDC31HJ-391X	C CAPACITOR	390pF 50V J	C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C664	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C665	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C904	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C701	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C906	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C704	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C705	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C707	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R105	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R106	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C710	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C712	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C713	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R112	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C716	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R116	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C717	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C719	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C720	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R203	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C721	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C722	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	R208	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R209	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C725	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C726	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C727	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C728	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C729	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R215	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C730	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R216	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C732	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R218	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C734	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C735	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R221	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C736	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R222	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C737	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C738	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R224	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C739	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C741	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R227	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C742	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C743	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R229	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C745	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C746	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R232	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C747	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R233	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C748	QETN1AM-227Z	E CAPACITOR	220uF 10V M	R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C749	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C750	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C751	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C752	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C753	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C754	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R240	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C755	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C756	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C757	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C758	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	R244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C759	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C761	NCB31HK-682X	C CAPACITOR	6800pF 50V K	R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R248	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C763	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R249	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C764	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	R250	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C765	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C766	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C767	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R253	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C768	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C769	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C770	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R256	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C771	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R257	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R258	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C773	NCB31AK-105X	C CAPACITOR	1uF 10V K				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R259	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R667	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R261	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R262	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R263	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R671	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R672	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R265	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R267	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R268	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R676	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R701	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R271	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R272	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R273	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R710	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R274	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R275	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R276	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R713	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R279	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R714	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R280	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R281	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R283	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R284	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R285	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R722	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R286	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R287	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R726	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R289	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R290	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R728	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R291	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R729	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R293	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R731	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R295	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R298	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R299	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R737	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R739	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R742	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R744	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R307	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R746	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R747	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R313	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R749	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R314	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R750	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R551	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R552	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R754	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R555	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R755	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R557	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R558	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R559	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R561	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R563	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R564	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R767	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R768	QRK126J-3R9X	UNF C RESISTOR	3.9Ω 1/2W J
R629	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R769	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R771	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R772	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R634	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R773	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R636	QRK126J-2R2X	UNF C RESISTOR	2.2Ω 1/2W J	R774	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R645	QRK126J-561X	UNF C RESISTOR	560Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R646	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R778	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R648	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R649	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R781	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R650	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R653	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R785	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R786	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R663	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L101	QQL244K-100Z	PEAKING COIL	10uH K
R664	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L102	QQL244K-270Z	PEAKING COIL	27uH K
R665	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L103	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				



△Ref No.	Part No.	Part Name	Description Local
L104	QQL244K-1R5Z	COIL	1.5uH K
L601	NQR0199-004X	FERRITE BEADS	
L602	NQR0199-004X	FERRITE BEADS	
L701	NQR0199-004X	FERRITE BEADS	
L702	NQR0199-004X	FERRITE BEADS	
L703	NQR0199-004X	FERRITE BEADS	
L704	NQR0199-004X	FERRITE BEADS	
L705	NQR0199-004X	FERRITE BEADS	
L706	NQR0199-004X	FERRITE BEADS	
L707	NQR0199-004X	FERRITE BEADS	
L708	NQR0199-004X	FERRITE BEADS	
L709	NQR0199-004X	FERRITE BEADS	
L710	NQR0199-004X	FERRITE BEADS	
L711	NQR0199-004X	FERRITE BEADS	
L712	NQR0199-004X	FERRITE BEADS	
L713	NQR0199-004X	FERRITE BEADS	
L714	NQR0199-004X	FERRITE BEADS	
L715	NQR0199-004X	FERRITE BEADS	
L716	NQR0199-004X	FERRITE BEADS	
L717	NQR0199-004X	FERRITE BEADS	
L718	NQR0199-004X	FERRITE BEADS	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN004	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN00B	QJB003-042424	SIN ID C-B WIRE	
CN00F	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00K	QJK002-034423	SIN CR C-B WIRE	
CN00L	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN00R	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN00S	QJK002-053820	SIN CR C-B WIRE	
CN0C1	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0RT	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
HS602	LC32265-001A	HEAT SINK/AL-F/	
K551	QQR0621-002Z	FERRITE BEADS	
K552	QQR0621-002Z	FERRITE BEADS	
SF101	QAX0531-001	SAW FILTER	
SF102	QAX0795-001	SAW FILTER	
TU101	QAU0344-001	TUNER	
X701	QAX0799-001Z	CRYSTAL	

## POWER&DEF P.W. BOARD ASS'Y (SJW-2001A-U2)

REFER TO PARTS LIST IN PAGE 3-38 FOR THIS P.W. BOARD.

## CRT SOCKET P.W. BOARD ASS'Y (SJW-3001A-U2)

REFER TO PARTS LIST IN PAGE 3-34 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SJW-8001A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## SIDE CONTROL P.W. BOARD ASS'Y (SJW-8101A-U2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (SJW0J001A-U2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## REMOTE CONTROL UNIT PARTS LIST (RM-C1502-1C)

[AV-28R4SK / AV-28T4SK / AV-28T4SP / AV-28T4SR / AV-28T77SK / AV-32R4SK / AV-32T4SK / AV-32T4SP / AV-32T4SR / AV-32T77SK]

△ Ref.No.	Part No.	Part Name	Description	Local
	2AK061080	BATTERY COVER		

## REMOTE CONTROL UNIT PARTS LIST (RM-C1502B-1C)

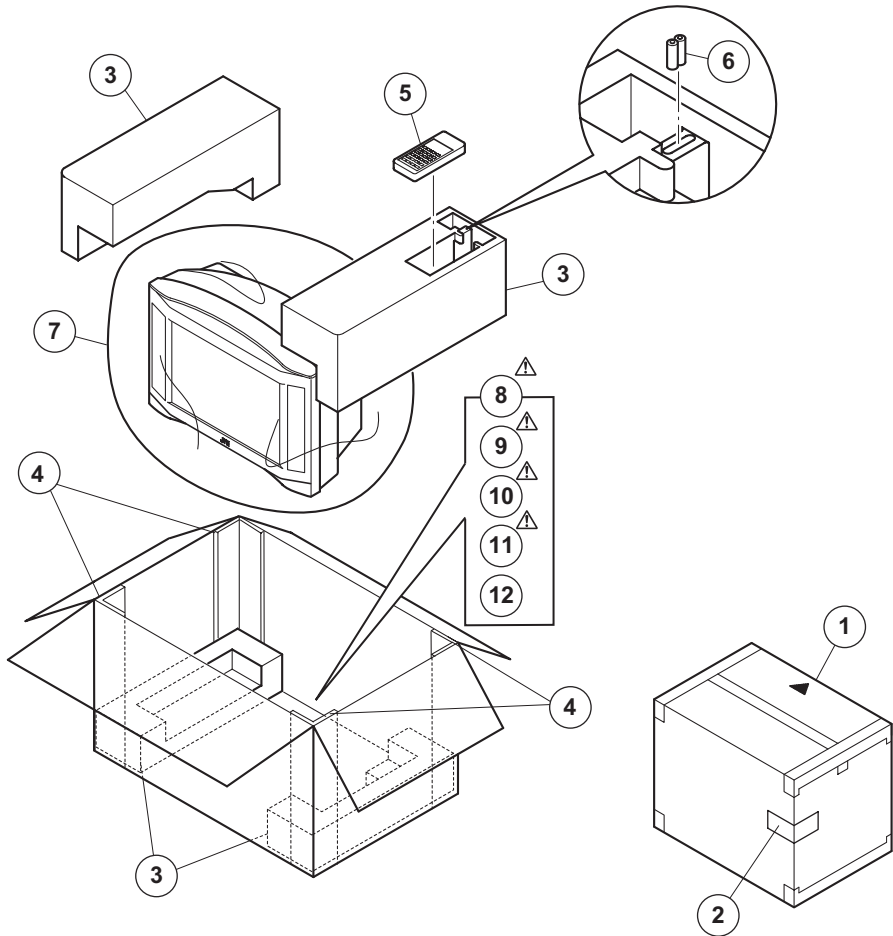
[AV-28T4BK / AV-28T4BR]

△ Ref.No.	Part No.	Part Name	Description	Local
	2AK044990	BATTERY COVER		



MODEL	MARK	MODEL	MARK	MODEL	MARK
AV-28R4SK	A	AV-28T4BR	E	AV-32T4SK	I
AV-28T4BK	B	AV-28T4SR	F	AV-32T4SP	J
AV-28T4SK	C	AV-28T77SK	G	AV-32T4SR	K
AV-28T4SP	D	AV-32R4SK	H	AV-32T77SK	L

# PACKING



# PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	AEM1002-082-E	PACKING CASE		A,B,C,D,E,F
	1	AEM1002-B76-E	PACKING CASE		G
	1	AEM1002-083-E	PACKING CASE		H,I,J,K
	1	AEM1002-B79-E	PACKING CASE		L
	2	AEM1064-095-E	EURO LABEL		A
	2	AEM1064-093-E	EURO LABEL		B
	2	AEM1064-092-E	EURO LABEL		C
	2	AEM1064-089-E	EURO LABEL		D
	2	AEM1064-091-E	EURO LABEL		E
	2	AEM1064-090-E	EURO LABEL		F
	2	AEM1064-094-E	EURO LABEL		H
	2	AEM1064-088-E	EURO LABEL		I
	2	AEM1064-086-E	EURO LABEL		J
	2	AEM1064-087-E	EURO LABEL		K
	2	AEM1064-096-E	EURO LABEL		L
	2	AEM1064-097-E	EURO LABEL		G
	3	LC11318-004F-U	CUSHION ASSY	4pcs in 1set	A
	3	LC11318-003G-U	CUSHION ASSY	4pcs in 1set	B,C,D,E,F,G
	3	LC11361-003B-U	CUSHION ASSY	4pcs in 1set	H
	3	LC11373-003B-U	CUSHION ASSY	4pcs in 1set	I,J,K,L
	4	AEM3119-005B-E	CORNER POST	(x4)	H
	4	AEM3119-006A-E	CORNER POST	(x4)	I,J,K,L
	5	RM-C1502B-1C	RC HAND UNIT		B,E
	5	RM-C1502-1C	RC HAND UNIT		A,C,D,F,G,H,I,J,K,L
	6	-----	BATTERY	R6P/AA(x2)	
	7	AEM1078-001A-U	POLY BAG		
	8	AEM3021-003B-E	DOCUMENT BAGS		
△	9	LCT1567-001A-U	INST BOOK	EN	A,H
△	9	LCT1571-001A-U	INST BOOK	EN/SP/GE/FR/IT/DU/PO	D,J
△	9	LCT1568-001A-U	INST BOOK	EN	B,C,E,F,I,K
△	9	LCT1570-001A-U	INST BOOK	EN	G,L
△	10	LCT1572-001A-U	INST BOOK	DA/NO/FI/SW	D,J
	11	BT-54013-7E	WARRANTY CARD		
	12	AEM3148-001B-U	REGISTRATION CA		A,B,C,E,F,G,H,I,K,L




**AV-28R4SK, AV-28T4BK, AV-28T4SK, AV-28T4SP, AV-28T4BR, AV-28T4SR  
AV-28T77SK, AV-32R4SK, AV-32T4SK, AV-32T4SP, AV-32T4SR, AV-32T77SK**

# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209  $\rightarrow$  R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

#### (1)Resistors

- Resistance value

No unit : [  $\Omega$  ]  
K : [ k $\Omega$  ]  
M : [ M $\Omega$  ]

- Rated allowable power

No indication : 1/16 [W]  
Others : As specified

- Type

No indication : Carbon resistor  
OMR : Oxide metal film resistor  
MFR : Metal film resistor  
MPR : Metal plate resistor  
UNFR : Uninflammable resistor  
FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

#### (2)Capacitors

- Capacitance value

1 or higher : [pF]  
less than 1 : [ $\mu$ F]

- Withstand voltage

No indication : DC50[V]  
Others : DC withstand voltage [V]  
AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

- Type

No indication : Ceramic capacitor  
MM : Metalized mylar capacitor  
PP : Polypropylene capacitor  
MPP : Metalized polypropylene capacitor  
MF : Metalized film capacitor  
TF : Thin film capacitor  
BP : Bipolar electrolytic capacitor  
TAN : Tantalum capacitor

#### (3)Coils

No unit : [ $\mu$ H]  
Others : As specified

#### (4)Power Supply



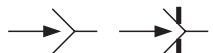
 : B1  : B2 (12V)  
 : 9V  : 5V

\* Respective voltage values are indicated





#### (5)Test point

 : Test point  : Only test point display



#### (6)Connecting method

 : Connector  : Wrapping or soldering  
 : Receptacle

#### (7)Ground symbol

 : LIVE side ground  
 : ISOLATED(NEUTRAL) side ground  
 : EARTH ground  
 : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.
- When ordering parts, please use the numbers that appear in the Parts List.



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USING P.W. BOARD

PWB ASSY name	AV-28R4SK	AV-28T4BK	AV-28T4SK	AV-28T4SP	AV-28T4BR	AV-28T4SR	AV-28T77SK	AV-32R4SK	AV-32T4SK	AV-32T4SP	AV-32T4SR	AV-32T77SK
MAIN P.W. BOARD	SJW-1902A-U2	SJW-1906A-U2	←	SJW-1002A-U2	←	←	SJW-1904A-U2	SJW-1901A-U2	SJW-1905A-U2	SJW-1001A-U2	←	SJW-1903A-U2
CRT SOCKET P.W. BOARD	SJW-3002A-U2	←	←	←	←	←	←	SJW-3001A-U2	←	←	←	←
AV JACK P.W. BOARD	SJW0J001A-U2	←	←	←	←	←	←	←	←	←	←	←
POWER & DEF P.W. BOARD	SJW-2004A-U2	SJW-2002A-U2	←	←	←	←	←	SJW-2003A-U2	SJW-2001A-U2	←	←	←
FRONT CONTROL P.W. BOARD	SJW-8001A-U2	←	←	←	←	←	←	←	←	←	←	←
SIDE CONTROL P.W. BOARD	SJW-8101A-U2	←	←	←	←	←	←	←	←	←	←	←
DOLBY P.W. BOARD	SJW0D001A-U2	-	-	-	-	-	-	SJW0D001A-U2	-	-	-	-

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

IC

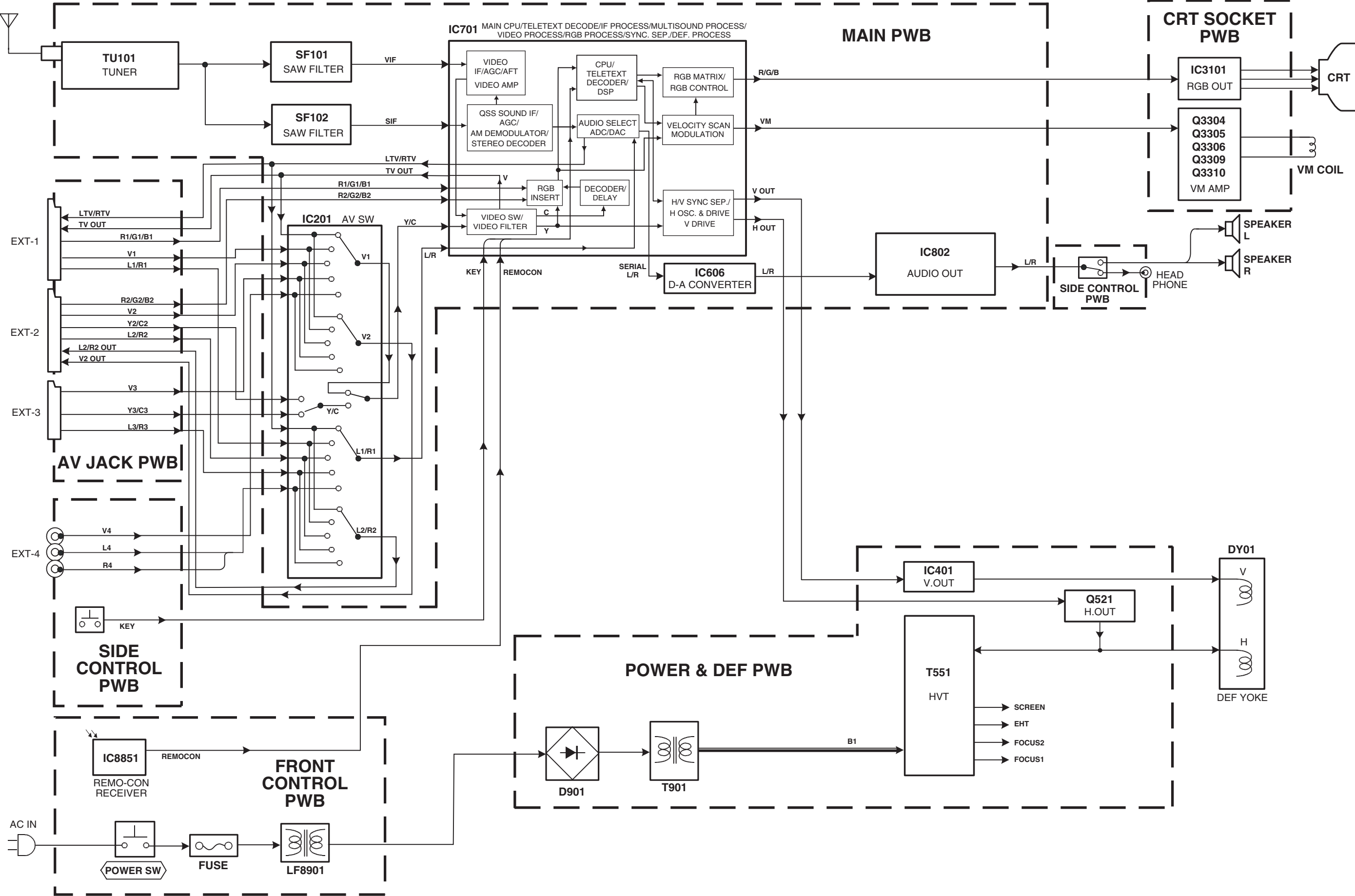
BOTTOM VIEW	FRONT VIEW			TOP VIEW

CHIP IC

TOP VIEW		

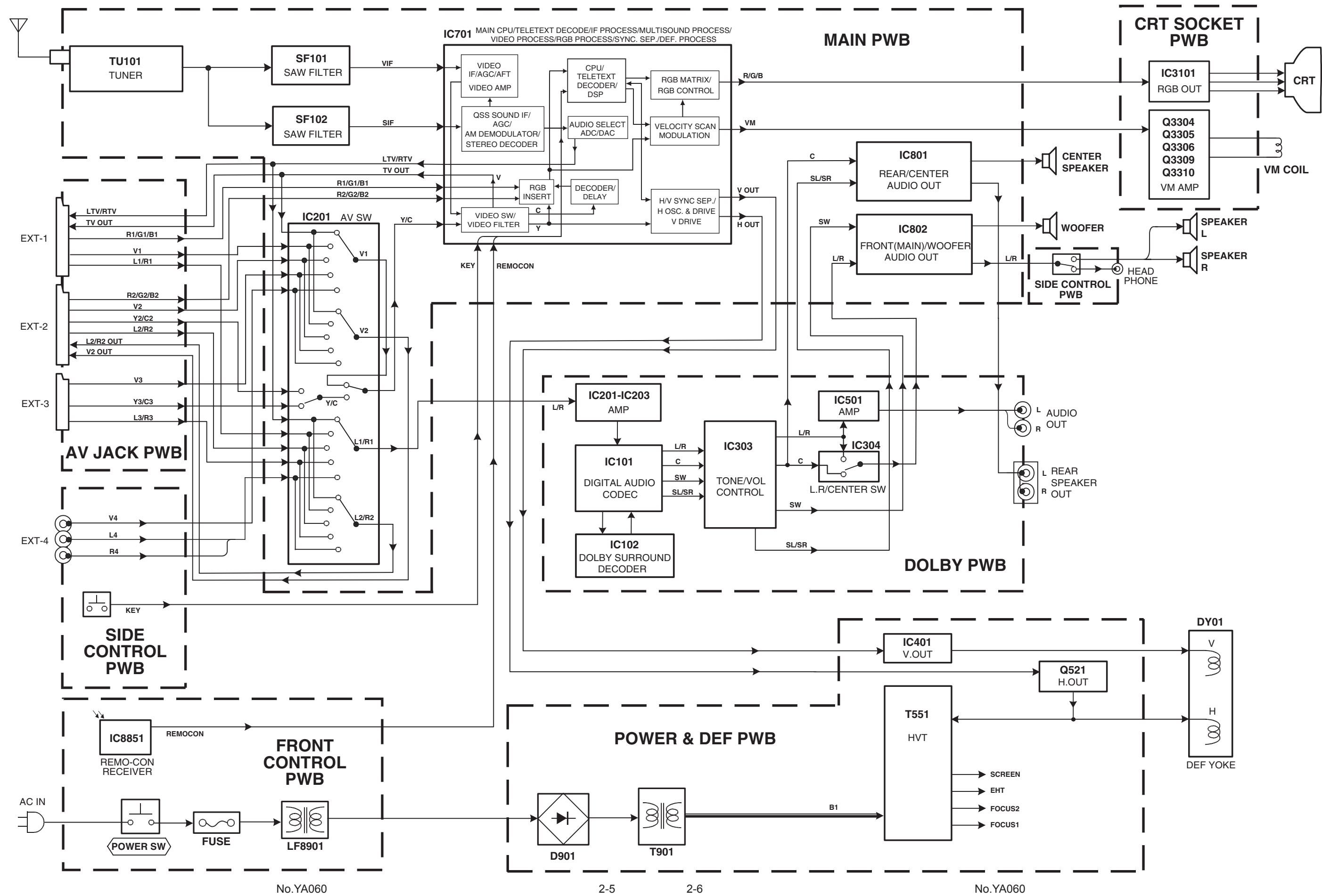


**BLOCK DIAGRAM** [AV-28T4BK, AV-28T4SK, AV-28T4SP, AV-28T4BR, AV-28T4SR, AV-28T77SK, AV-32T4SK, AV-32T4SP, AV-32T4SR, AV-32T77SK]



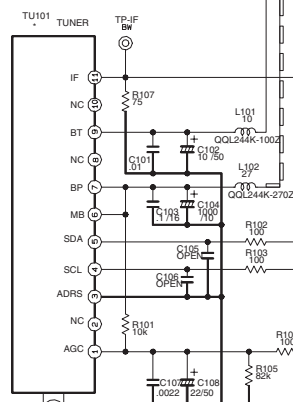
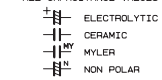
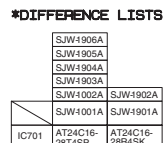


**BLOCK DIAGRAM [AV-28R4SK, AV-32R4SK]**

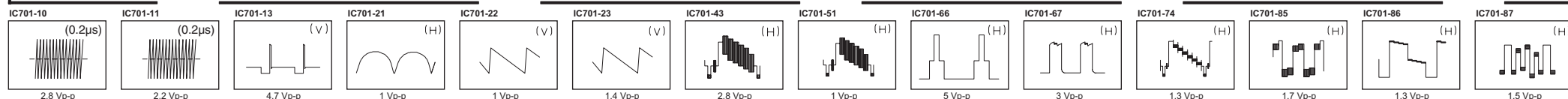




MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
IC 701		95	0
1	0	96	1.9
2	0	97	3.2
3	2	98	0
4	3.3	99	0
5	3.2	100	2
6	0	101	0.1
7	3.2	102	1.6
8	0	103	3.3
9	3.2	104	0
10	4.1	105	0
11	4.2	106	3.3
12	0	107	0.1
13	0	108	5.2
14	2.6	109	5.2
15	4.8	110	3.3
16	1.9	111	3.2
17	2.2	112	0
18	0	113	3.2
19	2.3	114	3.3
20	2.3	115	0.1
21	3.7	116	3.3
22	0.9	117	2
23	1	118	2
24	1.9	119	3.3
25	1.9	120	1.5
26	2.4	121	0
27	1.9	122	0
28	0	123	3.3
29	1.9	124	2
30	1.9	125	0
31	3	126	3.3
32	3.4	127	0
33	0	128	3.3
34	2.2	IC 702	
35	2.2	1	0
36	3.6	2	0
37	3.6	3	0
38	2.2	4	0
39	2	5	3.2
40	0	6	3.2
41	2.2	7	0
42	1.6	8	3.3
43	2.7	Q 101	
44	2.8	E	1.8
45	8.1	C	9
46	2	B	2.5
47	4.8	Q 102	
48	1.9	E	0
49	2.2	C	5.8
50	2.2	B	0
51	1.8	Q 301	
52	1.5	E	4.7
53	2.2	C	-2.5
54	2.2	B	4.8
55	1.4	Q 302	
56	2.2	E	1.3
57	2.2	C	4.5
58	1.4	B	2
59	0	Q 702	
60	3.6	E	0
61	3.6	C	0
62	3.6	B	0
63	3.5	Q 703	
64	2	E	0
65	2	C	4.5
66	0.3	B	0
67	1.3	Q 704	
68	0	E	4.1
69	4.8	C	4.8
70	1.2	B	4.8
71	1.2	Q 707	
72	1.2	E	2
73	2	C	2.8
74	1.8	B	2.5
75	0	Q 708	
76	0	E	2
77	0	C	2.7
78	1.2	B	2.5
79	1.2	Q 709	
80	1.2	E	3.5
81	0	C	2
82	4.8	B	2.8
83	3.5	Q 710	
84	3.3	E	3.5
85	1.7	C	2
86	1.7	B	2.8
87	1.7	Q 711	
88	3.2	E	0
89	0	C	3.3
90	3.3	B	0
91	1.6	Q 712	
92	0	E	4.6
93	1.9	C	0
94	3.3	B	4



MAIN PWB ASSY(1/3)  
S JW-1902A-U2: AV-28R4SK  
S JW-1906A-U2: AV-28T4BK, AV-28T4SK  
S JW-1002A-U2: AV-28T4SP, AV-28T4BR, AV-28T4SR  
S JW-1904A-U2: AV-28T7TSK  
S JW-1901A-U2: AV-32R4SK  
S JW-1905A-U2: AV-32T4SK  
S JW-1001A-U2: AV-32T4SP, AV-32T4SR  
S JW-1903A-U2: AV-32T7TSK



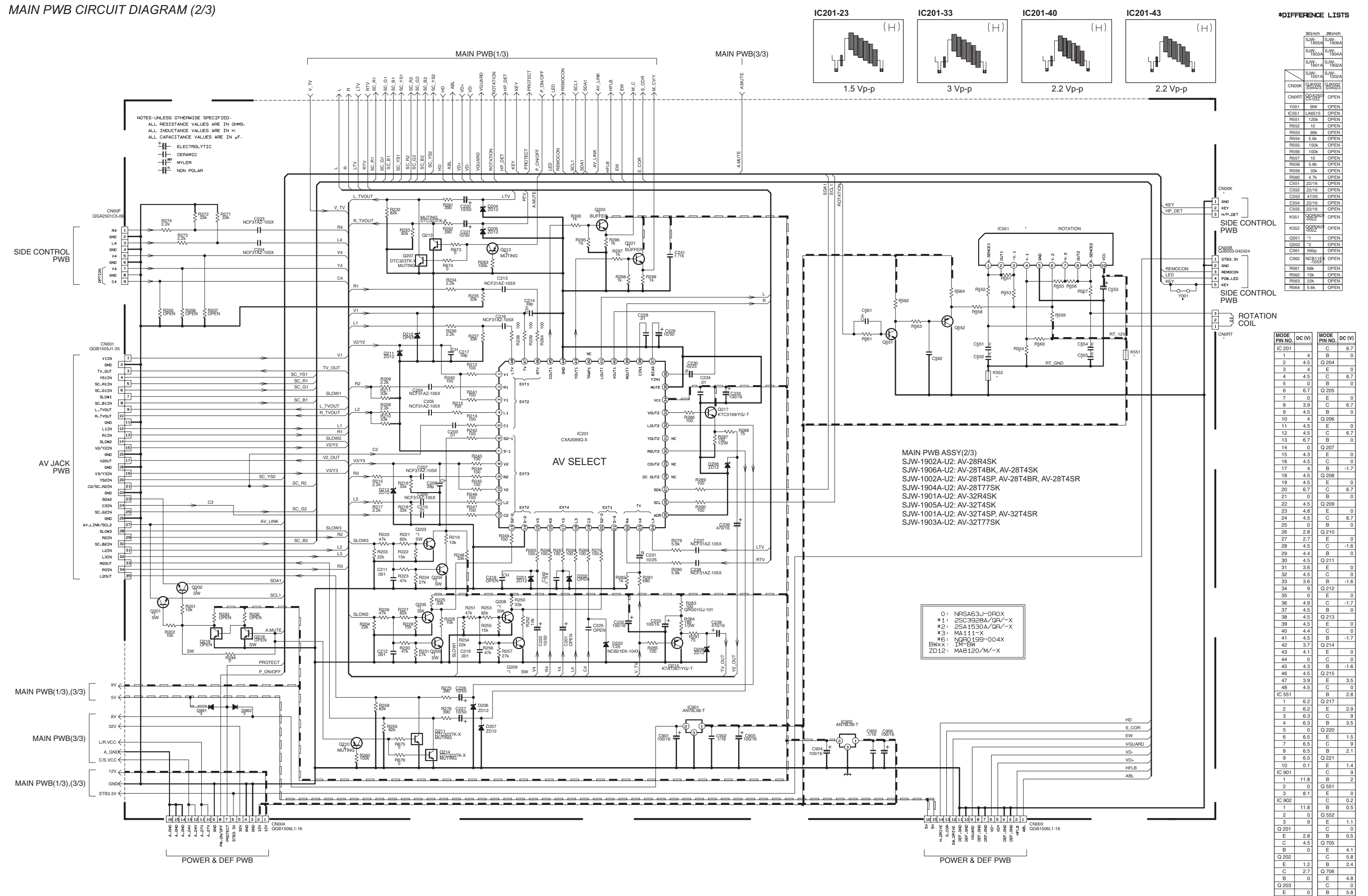
No.YA060

*DIFFERENCE LIST*		
		SJW-1905A
		SJW-1906A
		SJW-1904A
		SJW-1903A
		SJW-1902A
		SJW-1901A
	SJW-1902A	
	SJW-1901A	
TU101	QA00345-001	QA00344-001
CF101	QA00619-001	OPEN
SF102	QA00621-001	QA00795-001
Q102	UN2212-X	OPEN
D101	1SS356-X	OPEN
R113	2.2k	OPEN
R740	100	OPEN
C114	.0047	OPEN
Y102	OPEN	0

	SJW1906A	
	SJW1905A	
	SJW1904A	
	SJW1903A	
	SJW1902A	SJW1902A
	SJW1901A	SJW1901A
R706	100	OPEN
R707	100	OPEN
R723	OPEN	100
R781	3.3k	OPEN
R782	10k	47p
R783	3.3k	OPEN
R784	10k	47p
C701	1/6.3	OPEN
C702	1/6.3	OPEN
C782	1/10	0
C783	1/10	0

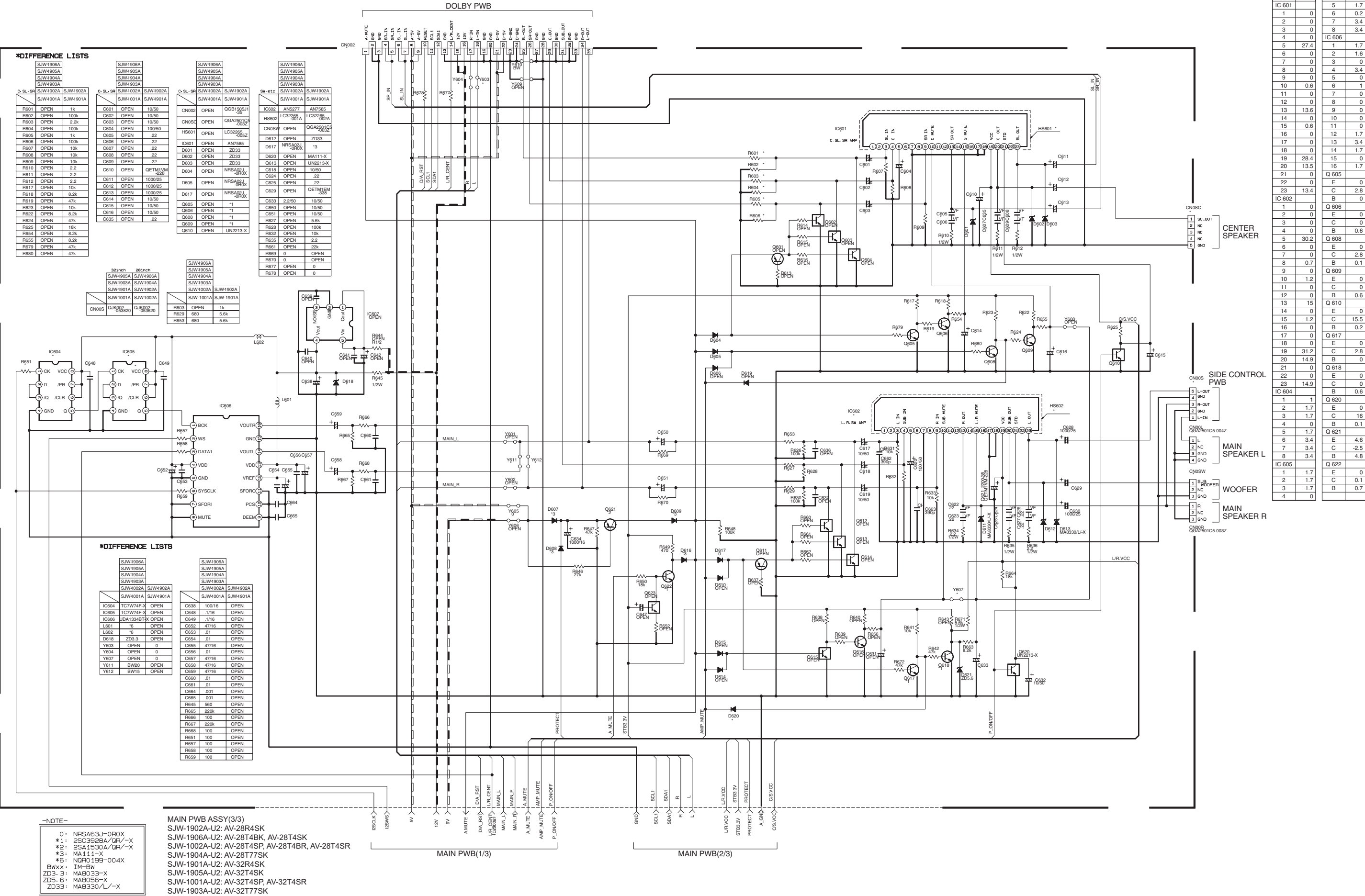


### MAIN PWB CIRCUIT DIAGRAM (2/3)



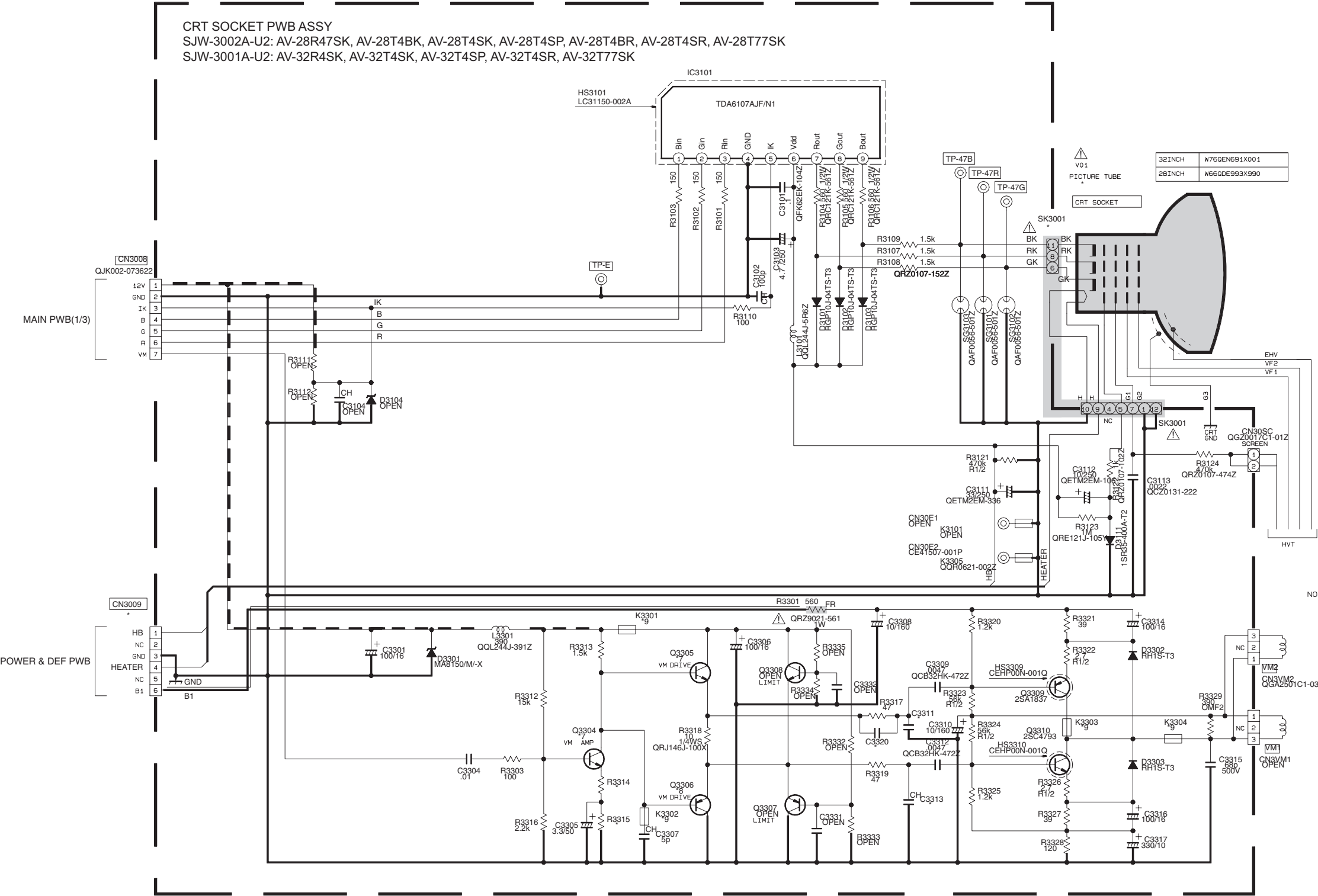


MAIN PWB CIRCUIT DIAGRAM (3/3)





CRT SOCKET PWB CIRCUIT DIAGRAM



NOTE

OPEN : OPTION (NON MOUNTED)  
0 : NRS463J-DROX  
\*7 : KTC3199/YG/-T  
\*8 : KTA1267/YG/-T  
\*9 : CE41492-001Z

⎓ : LOW B GND  
(H) : HIGH B GND

MODE	DC (V)
PIN NO.	
IC 3101	
1	1.8
2	1.8
3	1.7
4	0
5	4.4
6	208
7	146.5
8	143
9	145
Q 3304	
E	0.8
C	8.5
B	1.4
Q 3305	
E	8.7
C	11.8
B	8.5
Q 3306	
E	8.7
C	0
B	8.5
Q 3309	
E	132.7
C	67.6
B	131.9
Q 3310	
E	3.2
C	67.5
B	3.8

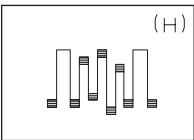
NOTES: UNLESS OTHERWISE SPECIFIED.  
ALL RESISTANCE VALUES ARE IN OHMS.  
ALL INDUCTANCE VALUES ARE IN H.  
ALL CAPACITANCE VALUES ARE IN  $\mu$ F.

⎓ ELECTROLYTIC  
⎓ CERAMIC  
⎓ MYLER  
⎓ NON POLAR

\*DIFFERENCE LIST(\*PARTS)

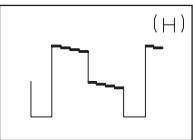
	SJW-3001A	SJW-3002A
R3314	220	270
R3315	150	100
C3311	.0022	820p
C3313	OPEN	560p
C3320	.0027	OPEN
SK3001	QN20574-001	QN20536-001
CN3009	QJK002-063231	QJK002-062611

IC3101-1



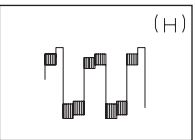
1.4 Vp-p

IC3101-2



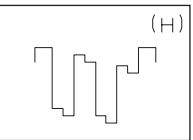
1.2 Vp-p

IC3101-3



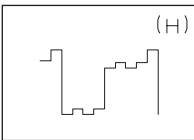
1.5 Vp-p

IC3101-7



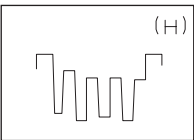
170 Vp-p

IC3101-8



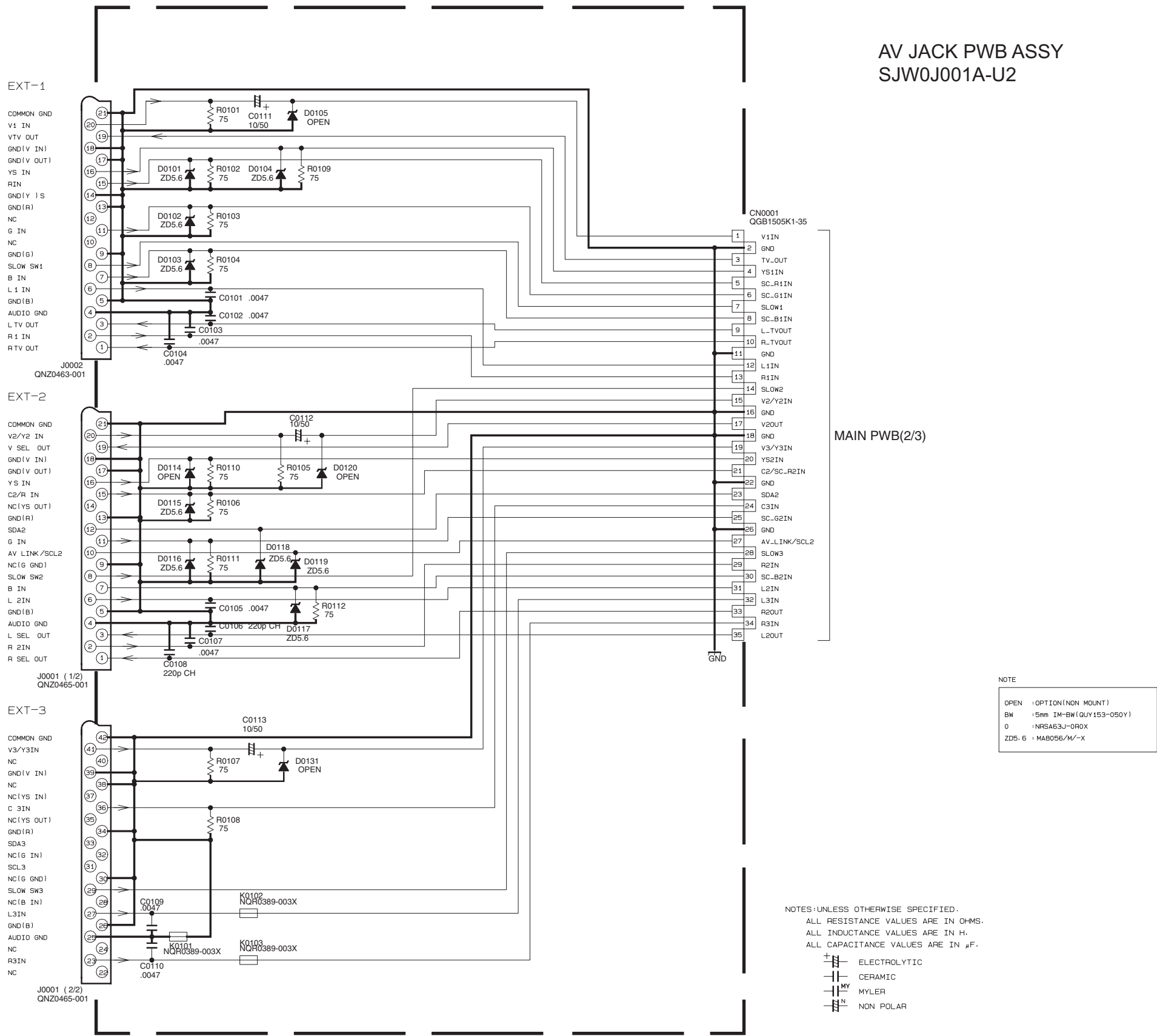
90 Vp-p

IC3101-9



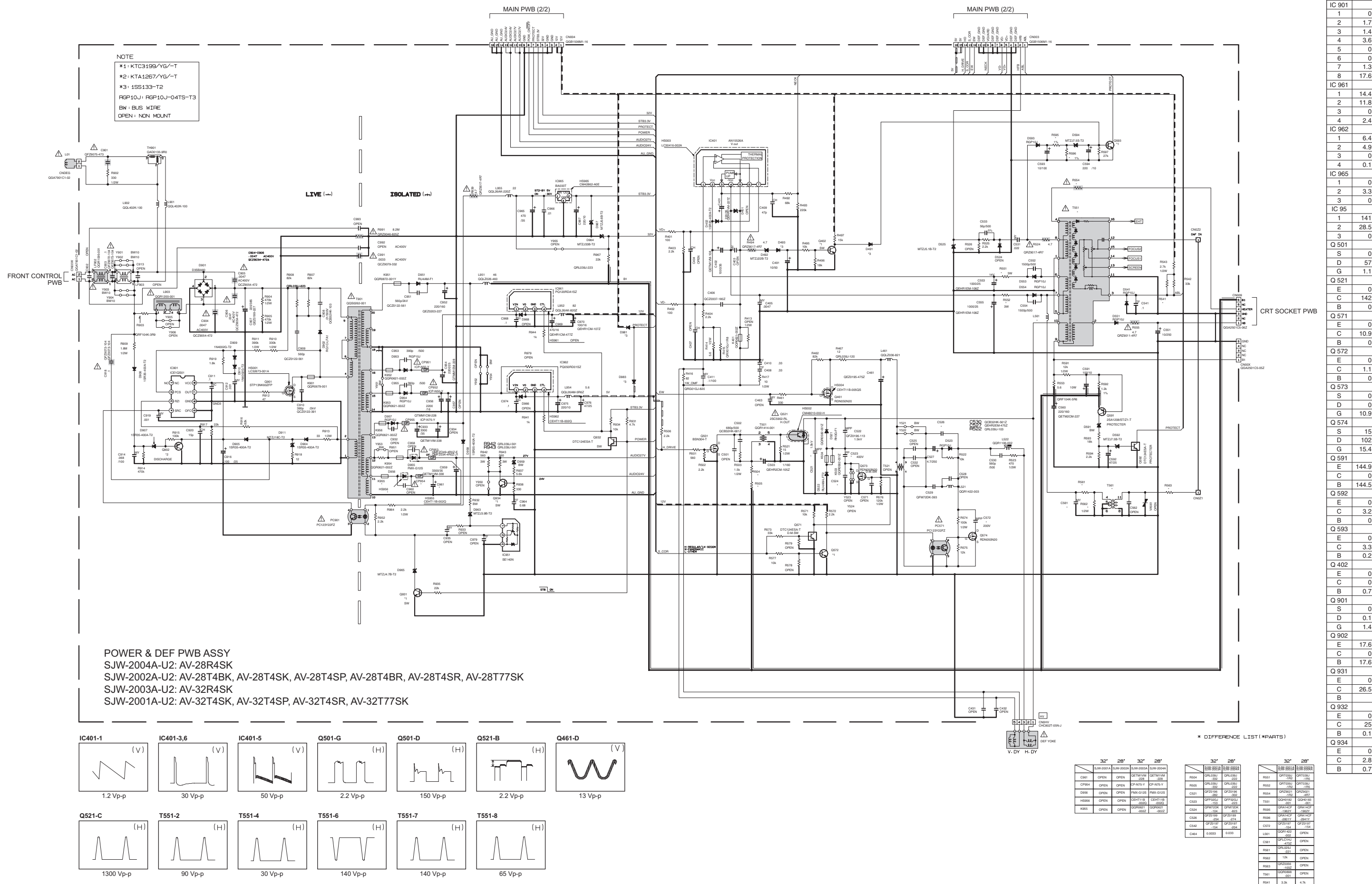
100 Vp-p





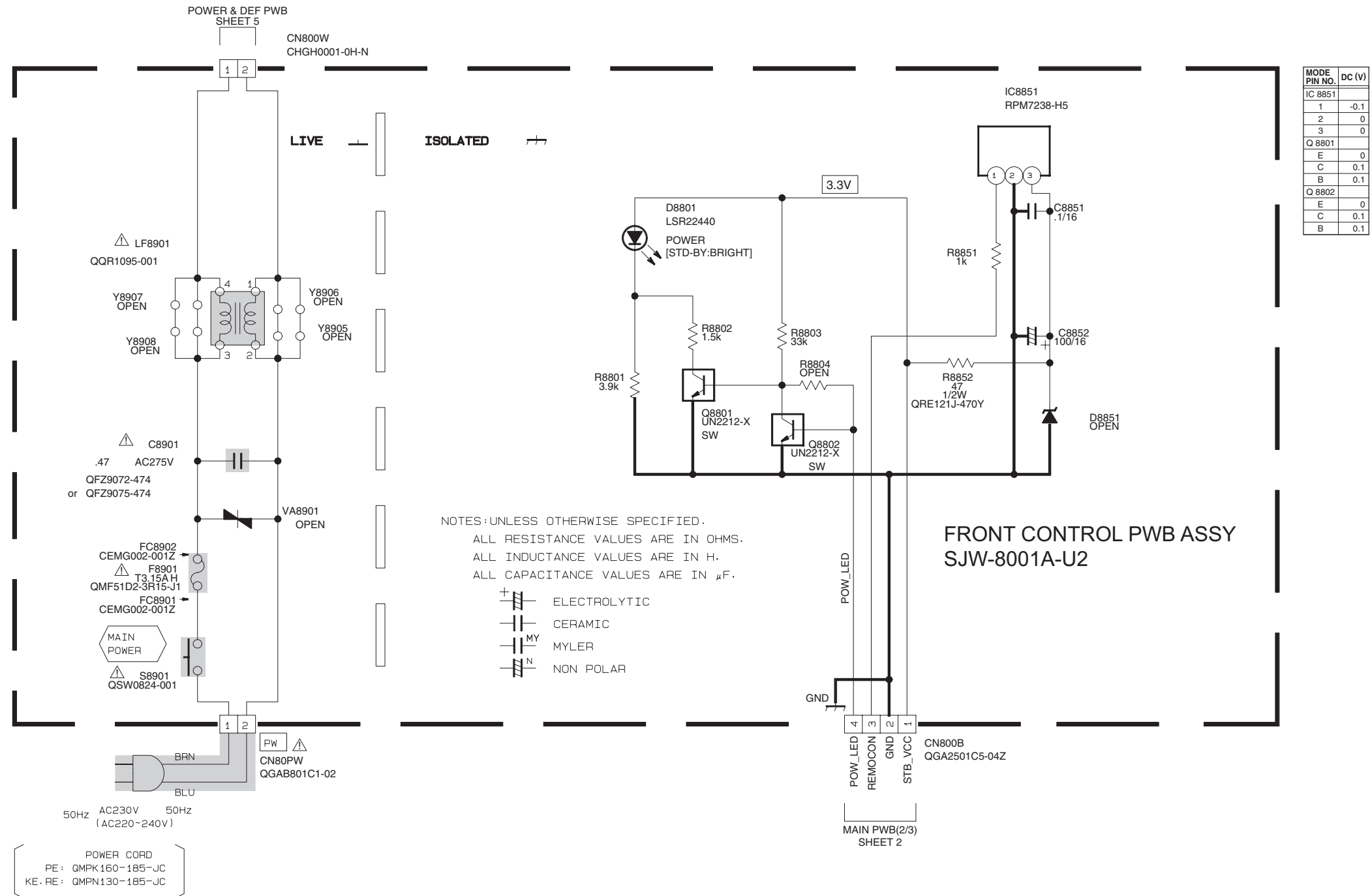


POWER & DEF PWB CIRCUIT DIAGRAM



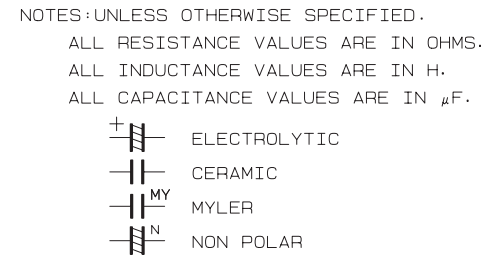


### FRONT CONTROL PWB CIRCUIT DIAGRAM

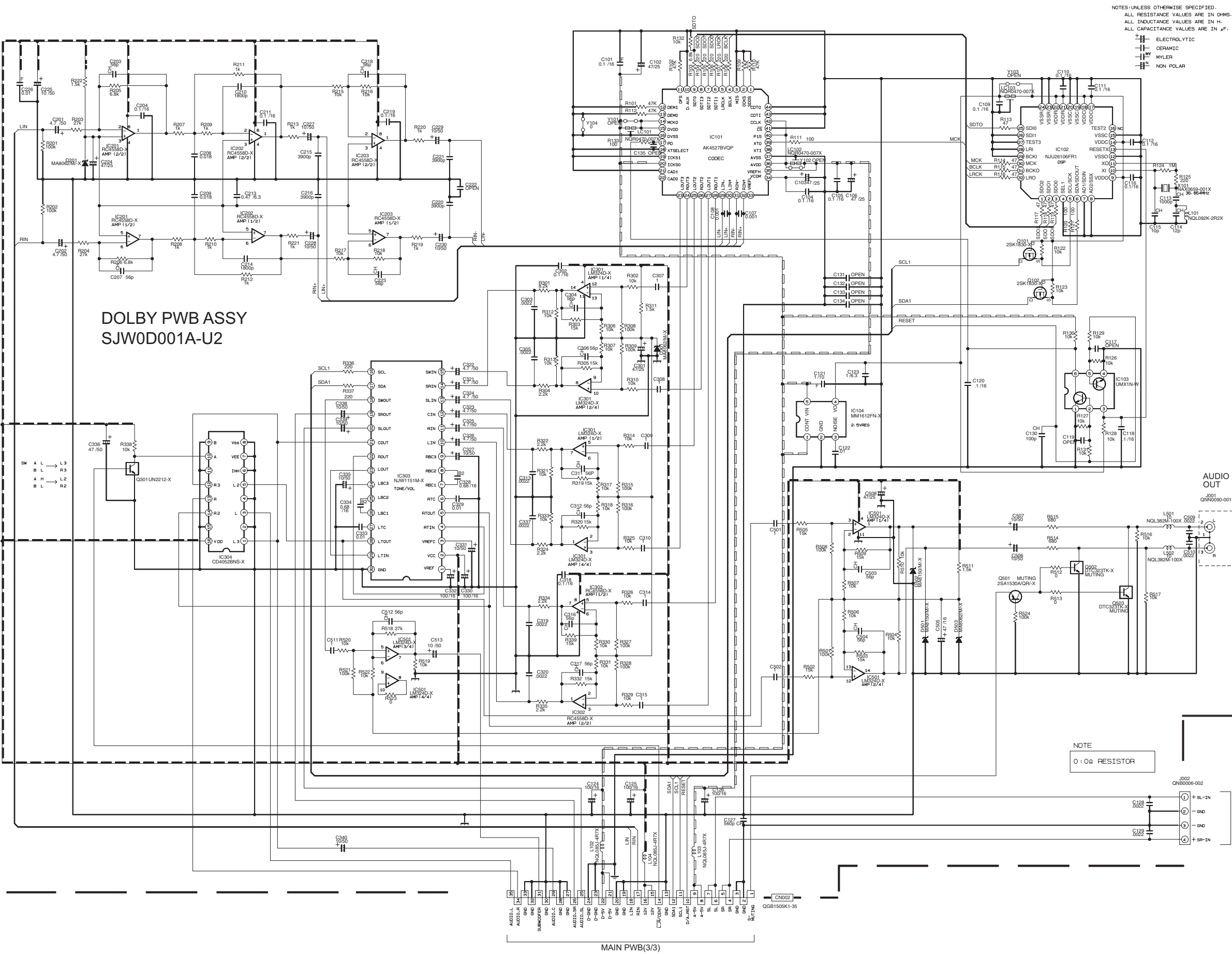




### SIDE CONTROL PWB CIRCUIT DIAGRAM







DOLBY PWB ASSY  
SJW0D001A-U2

AUDIO OUT  
J001 QN00090-001

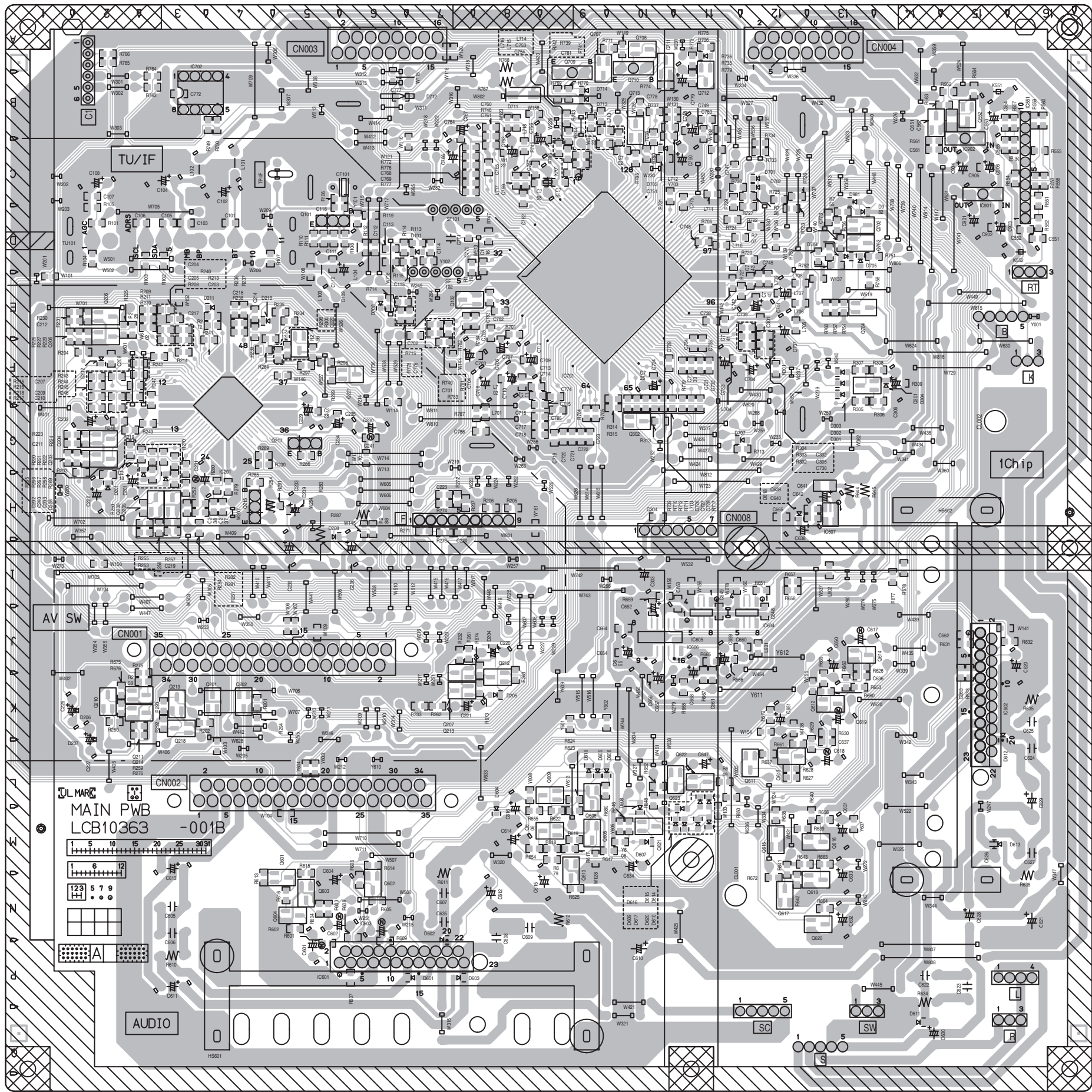
REAR SPEAKER OUT

NOTE  
0:00 RESISTOR

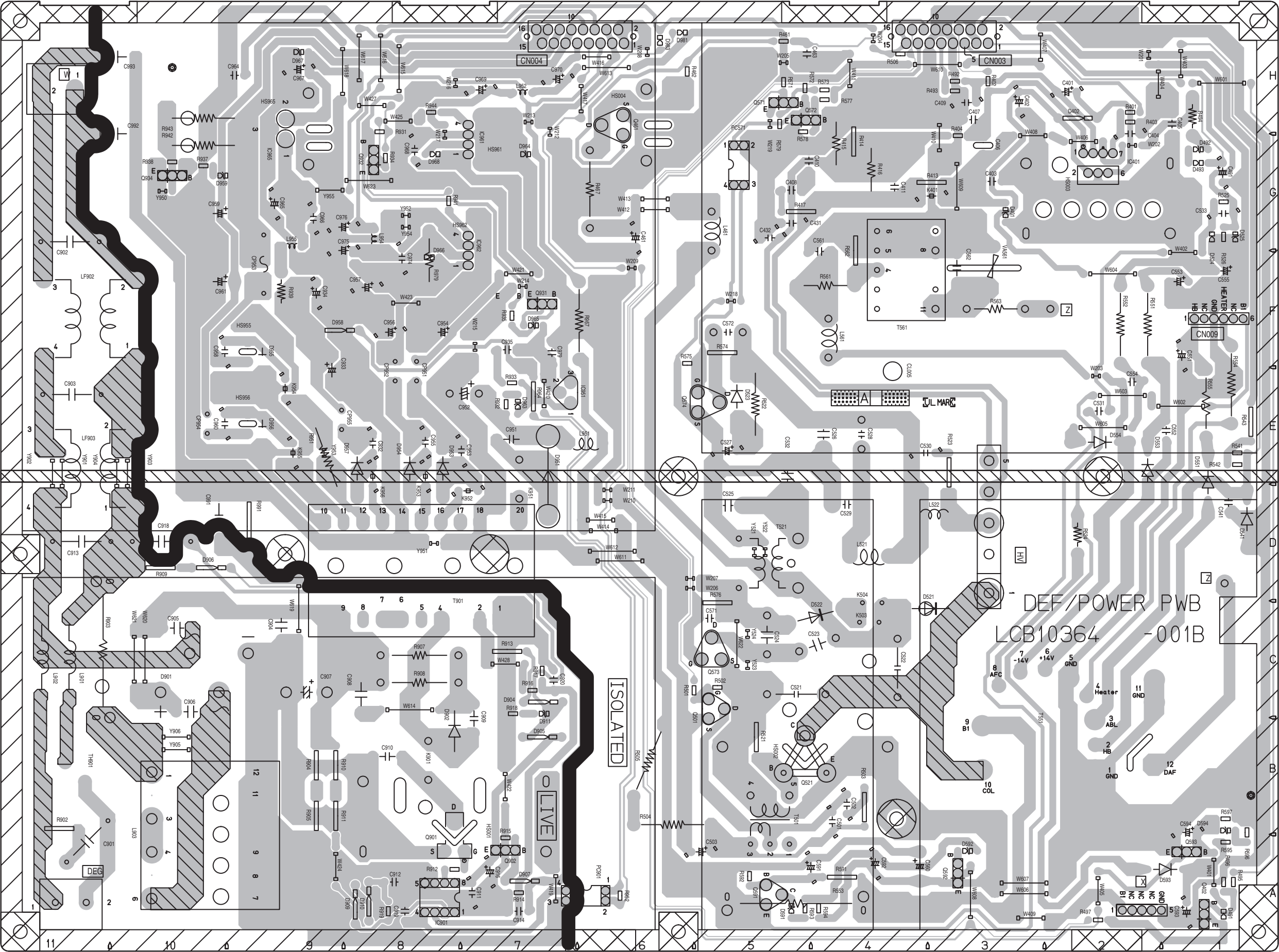
MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
IC 101	32	IC 103	12	IC 104	12
1	0	1	0	1	0
2	0	2	0	2	0
3	0	3	2.4	3	2.4
4	1.2	4	0	4	0
5	1.2	5	0	5	0
6	0.9	6	4.7	6	4.7
7	0.6	7	1	7	1
8	0	8	4.7	8	4.7
9	1.7	9	1	9	1
10	0	10	0	10	0
11	0	11	1.2	11	1.2
12	0	12	2.4	12	2.4
13	0	13	4.7	13	4.7
14	4.2	14	1	14	1
15	4.7	15	6.1	15	6.1
16	0	16	6.1	16	6.1
17	4.7	17	6.1	17	6.1
18	0	18	0	18	0
19	0	19	6.1	19	6.1
20	4.6	20	6.1	20	6.1
21	0	21	6.1	21	6.1
22	0.7	22	11.7	22	11.7
23	0	23	4	23	4
24	2.3	24	6.1	24	6.1
25	2.3	25	6.1	25	6.1
26	0	26	6.1	26	6.1
27	0	27	0	27	0
28	2.3	28	6.1	28	6.1
29	4.5	29	6.1	29	6.1
30	4.4	30	6.1	30	6.1
31	4.6	31	11.7	31	11.7
32	4.4	32	13	32	13
33	0	33	6.1	33	6.1
34	0	34	6.1	34	6.1
35	4.7	35	6.1	35	6.1
36	4.7	36	0	36	0
37	0	37	6.1	37	6.1
38	0	38	6.1	38	6.1
39	1.2	39	6.1	39	6.1
40	4.7	40	11.7	40	11.7
41	0	41	5	41	5
42	4.7	42	6.1	42	6.1
43	0	43	6.1	43	6.1
44	0	44	6	44	6
IC 102	4	IC 103	11.7	IC 104	9
1	0	1	6.1	1	6.1
2	0.7	2	6.1	2	6.1
3	0	3	6.1	3	6.1
4	0	4	6.1	4	6.1
5	1.6	5	6.1	5	6.1
6	1.5	6	10	6	10
7	0	7	11	7	11
8	0	8	6	8	6
9	2.4	9	13	9	13
10	1	10	6.1	10	6.1
11	1.1	11	6.1	11	6.1
12	0	12	6.1	12	6.1
13	2.4	13	6.1	13	6.1
14	2.4	14	6.1	14	6.1
15	0	15	0	15	0
16	0	16	6.1	16	6.1
17	2.4	17	6.1	17	6.1
18	2.4	18	6.1	18	6.1
19	0	19	11.7	19	11.7
20	0	20	0	20	0
21	2.4	21	5.9	21	5.9
22	2.4	22	11.7	22	11.7
23	0	23	5.9	23	5.9
24	0	24	5.9	24	5.9
25	0	25	6	25	6
26	0	26	5.7	26	5.7
27	0	27	5.9	27	5.9
28	0	28	5.9	28	5.9
29	0	29	5.8	29	5.8
30	1.2	30	5.9	30	5.9
31	1.2	31	0	31	0



PATTERN DIAGRAMS  
MAIN PWB PATTERN

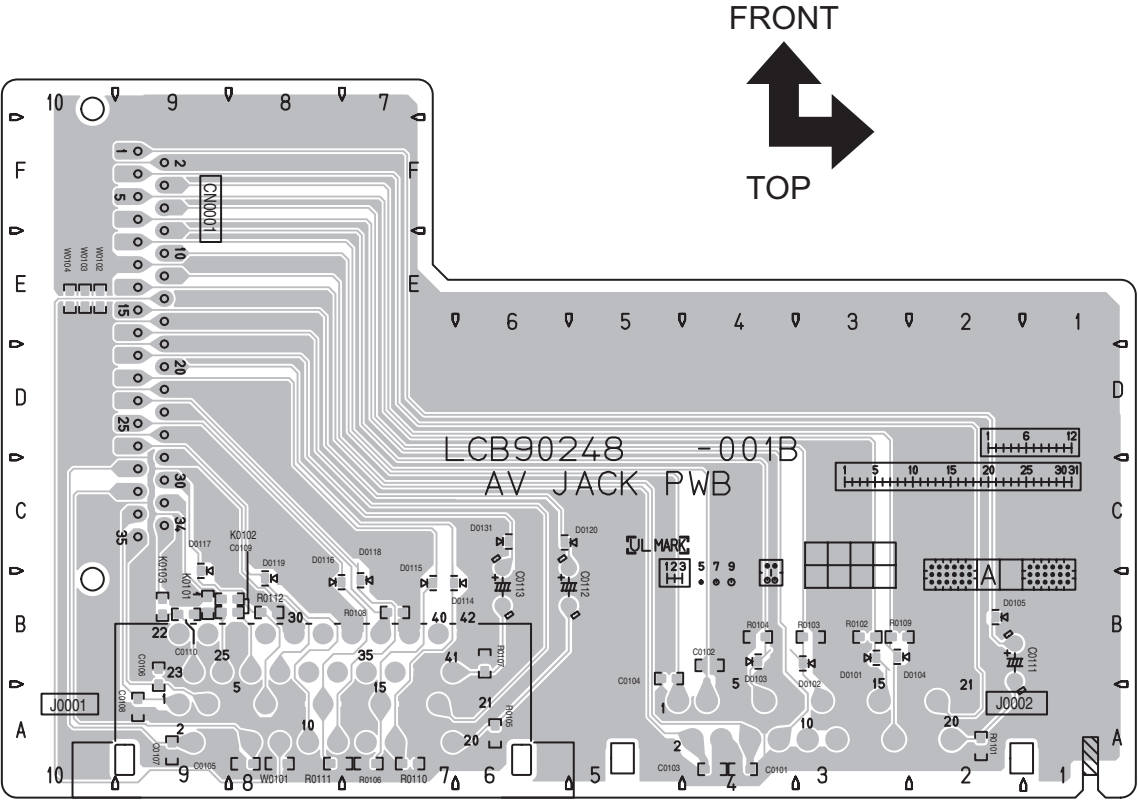




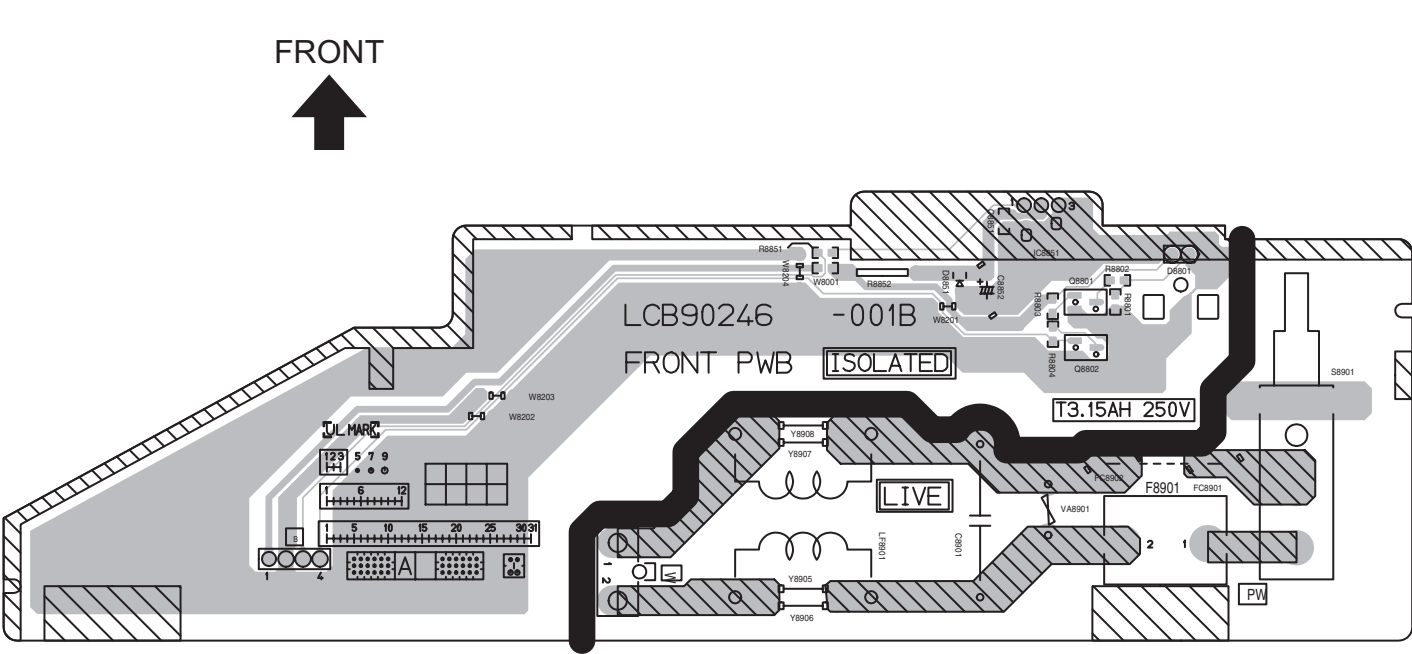




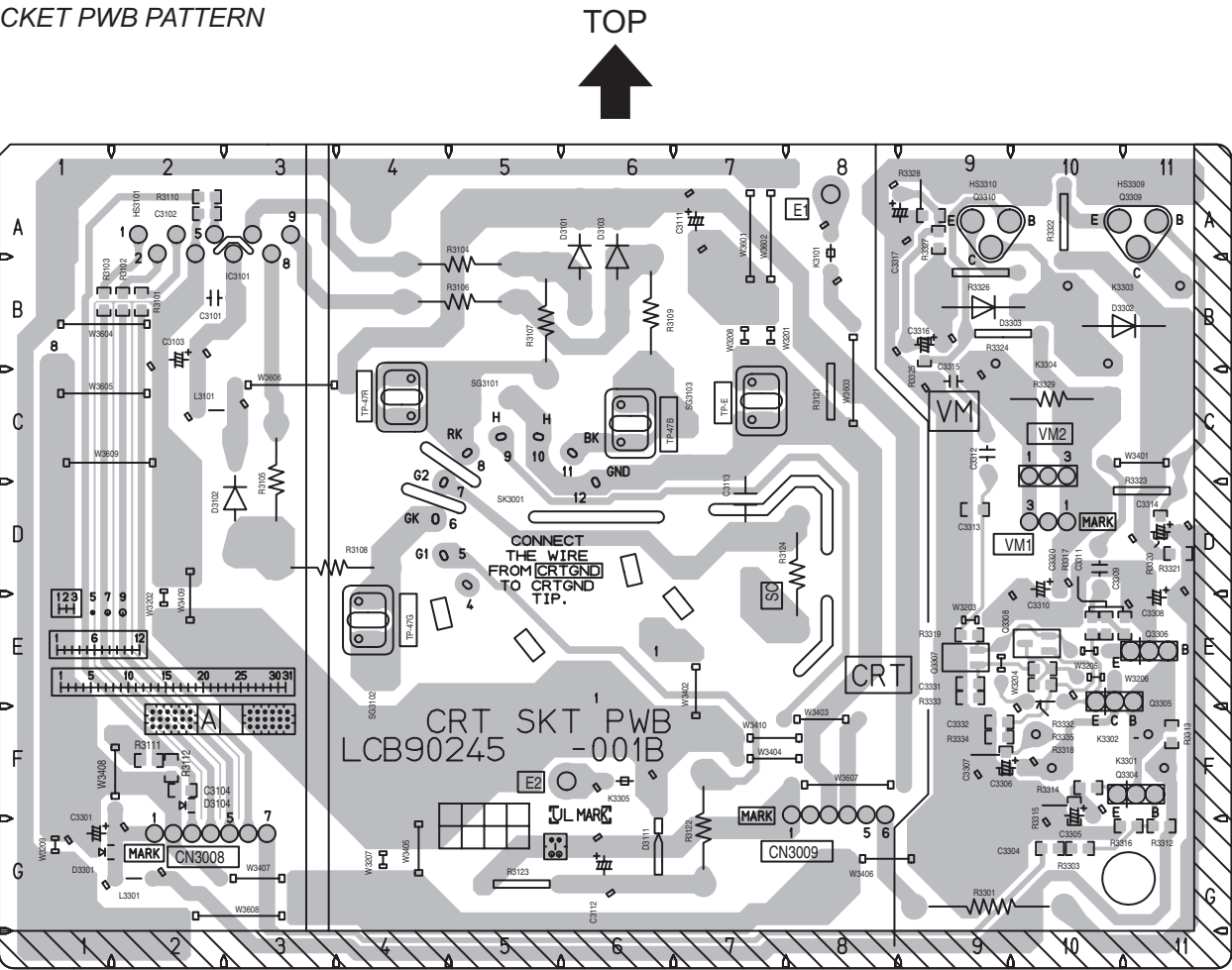
AV JACK PWB PATTERN



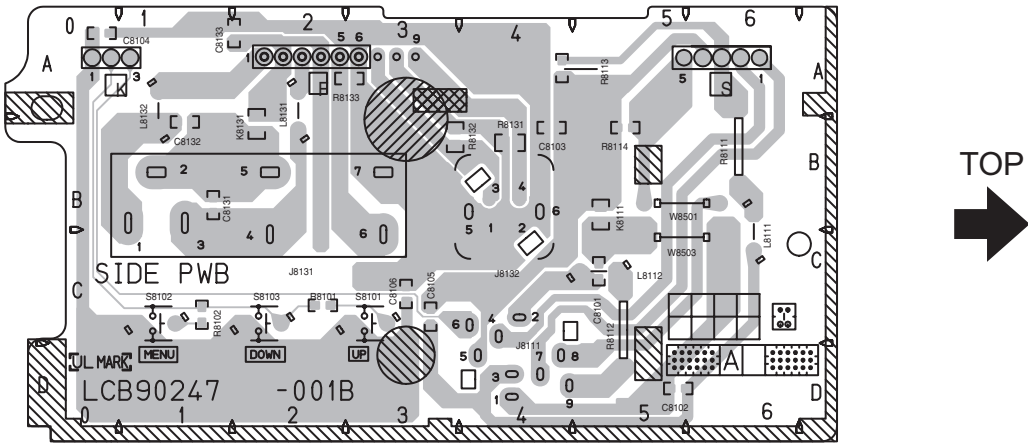
FRONT CONTROL PWB PATTERN



CRT SOCKET PWB PATTERN



SIDE CONTROL PWB PATTERN





*DOLBY PWB PATTERN [SOLDER SIDE] [AV-28R4SK, AV-32R4SK]*





